Diagnostic antibodies and antigens list

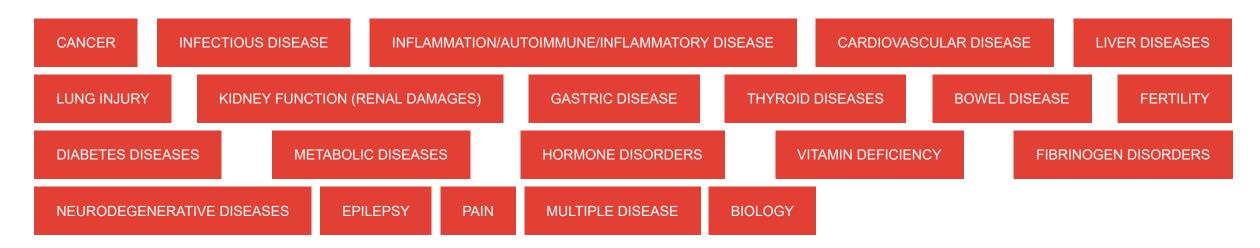
In vitro diagnostic (IVD) testing has become an indispensable tool in clinical practice for diagnosing and monitoring of diseases, as well as providing prognosis and predicting treatment response, In vitro tests may be done in laboratories, health care facilities or even in the home. The tests themselves can be performed on a variety of instruments ranging from small, handheld tests to complex laboratory instruments. They allow doctors to diagnose patients effectively and work to provide appropriate treatments.

IVDs are used to analyze human samples such as blood and saliva, either by measuring the concentration of specific substances, or analytes (such as sodium and cholesterol), or by detecting the presence or absence of a particular marker or set of markers, such as a genetic mutation or an immune response to infection. Clinicians regularly use IVDs to diagnose conditions, guide treatment decisions, and even mitigate or prevent future disease (for example, through screening tests that indicate a patient's risk of developing a given condition in the future). There are over 40,000 different IVD products available that provide information to doctors and patients on a huge range of conditions. These comprise markers for inorganic chemistry (electrolytes, toxins, and heavy metals), markers for organic chemistry/biochemistry (proteins, lipids, and carbohydrates), as well as molecular biologic procedures (sequencing and polymerase chain reaction).

In recent years, the value of IVDs has gained further recognition because of their potential to save lives through earlier diagnosis of medical conditions. In the case of an infectious disease, early detection can ensure that patients receive timely care to help slow or stop the progression of disease. Further, knowledge of infection can help promote self-isolation to prevent further spread of the disease to the community. This has been particularly important in containing the spread of highly infectious agents during an active outbreak. Using IVDs to predict underlying genetic conditions in addition to diagnostic screening can also prevent unnecessary suffering by a patient as well as reduce the scale of treatment required.

As the ease-of-use and reliability of IVDs has improved, some IVDs have moved out of the laboratory setting and into the patient's home. Consumers can now perform simple tests to monitor blood glucose levels, identify urinary tract infections, track ovulation, and confirm pregnancy. These tests not only empower individuals to take charge of their own health but can provide quick results that help guide further medical actions. Genemedi provides diagnostic antibodies and antigens for the in vitro diagnosis of diseases such as infectious disease, inflammation/autoimmune/inflammatory disease, kidney function (renal damages), liver diseases, lung injury, metabolic diseases, multiple disease, neurodegenerative diseases, pain, thyroid diseases, vitamin deficiency and so on.

Classification of IVD Disease:



Diagnostic antibodies and antigens for cancer detection - TG, CA-125, SCC Ag, PIVKA-II, ProGRP, Calcitonin, NSE, CA-724, HE4, CA15-3, FER, CYFRA21-1, HER2, HSP90α, S100B, CEA, AFP, sFIt-1, PSA, hEGF, TFF2, TFF3, CA199, CA50, TK1

Regardless of the advances in the cancer therapy, delayed symptoms and lack of successful diagnosis of cancer at early stage increased the death rate. Tumor-associated antigens (TAAs) and their antibodies have been identified as potential markers in cancer diagnosis and determination. TAAs and their antibodies-based detection of cancer have the advantages such as low-cost, and simple access, which attracted much attention for early cancer detection. For several reasons, tumor marker itself is typically insufficient to analyze disease conditions. Because, maximum number of markers have been produced by both normal and cancer cells. Several cancers such as anal, breast, ovaries, testicles, colon, endometrial, peritoneal, fallopian tube, gallbladder, gastric, liver, lung, neuroendocrine, pancreatic, prostate, renal, cervix, stomach and thyroid cancer, bronchopulmonary dysplasia, hepatitis, hematological malignancies, hemochromatosis, hypercalcemia, osteoporosis, Parget's diseases and so on have been identified using specific marker. Detecting the quantity of marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.



Thyroglobulin (TG)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
		Thyroglobulin (TG)	thyroid nodules,	thyroid lenomas, GMP-h-TG-Ag01: lltinodular Recombinant human TG	Thyroglobulin (TG) antibodies,		Human Thyroglobulin (TG) antigen binding,	
					Immunogen in Sandwich Elisa, lateral-		ELISA validated as capture antibody and	
			adenomas,		flow tests,and other immunoassays as	GMP-h-TG-Ab01;	detection antibody. Pair recommendation with	1
GMP-h-TG	Human		,		control material in TG level test of	GMP-h-TG-Ab02:	other Thyroglobulin (TG) antibodies in TG	
OWI -II-10	Tidillali				Cancer(thyroid nodules, thyroid	Anti-human TG mouse	level test of Cancer (thyroid nodules, thyroid	=
			goiters, Protein thyrotoxicosis,	Trotein	adenomas, multinodular goiters,	monoclonal antibody(mAb)	adenomas, multinodular goiters,	
			thyroid cancer		thyrotoxicosis, thyroid cancer) and related		thyrotoxicosis, thyroid cancer) and related	
			inyroid Caricer		syndrome evaluation.		syndrome evaluation.	

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cancer antigen 125 (CA-125)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
							Human cancer antigen 125 (CA-125) antigen	ı
					cancer antigen 125 (CA-125) antibodies,		binding, ELISA validated as capture antibody	,
			ovarian,		Immunogen in Sandwich Elisa, lateral-		billiding, ELISA validated as capture antibody	
			ŕ			GMP-h-CA-125-Ab01;	and detection antibody. Pair recommendation	ı
GMP-h-CA-		cancer	endometrial,	GMP-h-CA-125-Ag01:	flow tests,and other immunoassays as	GMP-h-CA-125-Ab02:	with other cancer antigen 125 (CA-125)	
SIVIF -II-CA-	Human	antigen 125	peritoneal and	Recombinant human CA-125	control material in CA-125 level test of	GIVIF -11-CA-125-Ab02.	with other cancer antigen 125 (CA-125)	_
125		_	·			Anti-human CA-125 mouse	antibodies in CA-125 level test of Cancer	"
		(CA-125)	fallopian tube	Protein	Cancer(ovarian, endometrial, peritoneal	monoclonal antibody(mAb)	(ovarian, endometrial, peritoneal and fallopian	1
			cancers.		and fallopian tube cancers.) and related	monocional antibody(m/tb)	(ovariari, criaometrai, peritorical and idilopiari	'
							tube cancers.) and related syndrome	
					syndrome evaluation.		evaluation.	

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squamous cell carcinoma antigen (SCC Ag)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-SCC-	Human	squamous cell carcinoma antigen (SCC Ag)		GMP-h-SCC-Ag-Ag01:	squamous cell carcinoma antigen (SCC Ag) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in SCC Ag level test of Cancer(squamous cancers of the cervix, head, neck, and	GMP-h-SCC-Ag-Ab01; GMP-h-SCC-Ag-Ab02:	Human squamous cell carcinoma antigen (SCC Ag) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other squamous cell carcinoma antigen (SCC Ag) antibodies in SCC Ag level test of Cancer (squamous cancers of the cervix, head, neck, and lung)	s r
					lung) and related syndrome evaluation.		and related syndrome evaluation.	

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Protein induced by vitamin K absence-II (PIVKA-Ⅲ)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h- PIVKA-II	Human	Protein induced by vitamin K absence-II (PIVKA-II)	hepatocellular carcinoma	GMP-h-PIVKA-Ⅲ-Ag01: Recombinant human PIVKA- Ⅱ Protein	,	GMP-h-PIVKA-Ⅱ-Ab01; GMP-h-PIVKA-Ⅱ-Ab02: Anti-human PIVKA-Ⅱ mouse monoclonal antibody(mAb)	Human Protein induced by vitamin K absence-II (PIVKA-II) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Protein induced by vitamin K absence-II (PIVKA-II) antibodies in PIVKA-II level test of Cancer (hepatocellular carcinoma) and related syndrome evaluation.	=

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Gastrin-releasing peptide (ProGRP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
							Human Gastrin-releasing peptide (ProGRP)	
					Gastrin-releasing peptide (ProGRP)			
		Gastrin-			antibodies, Immunogen in Sandwich	GMP-h-ProGRP-Ab01;	antigen binding, ELISA validated as capture	
		Gastiiii-		GMP-h-ProGRP-Ag01:	antibodies, inintinogen in Sandwich	GWF-H-FTOGICE-ADOT,	antibody and detection antibody. Pair	
GMP-h-		releasing			Elisa, lateral-flow tests,and other	GMP-h-ProGRP-Ab02:		
	Human		cancer	Recombinant human			recommendation with other Gastrin-releasing	=
ProGRP		peptide		ProGRP Protein	immunoassays as control material in	Anti-human ProGRP mouse	peptide (ProGRP) antibodies in ProGRP level	
		(ProGRP)		T TOOK! T TOK!!!	ProGRP level test of Cancer(cancer) and		peptide (1 10014) artibodies in 1 10014 level	1
		,			,		test of Cancer () and related syndrome	
					related syndrome evaluation.		evaluation.	

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Calcitonin (Calcitonin)

Cat Na	Cnasias	Diamorkov	Diagona	Cat No of Antigon	Discotivity validation of Antigon	Cat No of Antibodica	Discotivity validation of Antihodica	Order
Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Calcitonin (Calcitonin) antibodies,		Human Calcitonin (Calcitonin) antigen	
			antonnarania		Immunogen in Sandwich Elisa, lateral-	GMP-h-Calcitonin-Ab01;	binding, ELISA validated as capture antibody	,
GMP-h-		Calaitanin	osteoporosis,	GMP-h-Calcitonin-Ag01:	flow tests,and other immunoassays as	GMP-h-Calcitonin-Ab02:	and detection antibody. Pair recommendation	1
	Human	Calcitonin	hypercalcemia	Recombinant human	control material in Calcitonin level test of	Anti-human Calcitonin	with other Calcitonin (Calcitonin) antibodies in	ı 🛒
Calcitonin		(Calcitonin)	and Parget's	Calcitonin Protein	Cancer(osteoporosis, hypercalcemia and	mouse monoclonal	Calcitonin level test of Cancer (osteoporosis,	
			diseases		Parget's diseases) and related syndrome	antibody(mAb)	hypercalcemia and Parget's diseases) and	
					evaluation.		related syndrome evaluation.	

Neuron specific enolase (NSE)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Neuron specific enolase (NSE)		Human Neuron specific enolase (NSE)	
					antibodies, Immunogen in Sandwich	GMP-h-NSE-Ab01;	antigen binding, ELISA validated as capture	
		Neuron		GMP-h-NSE-Ag01:	antibodies, infinitiogen in Sandwich	GIVIF-II-NGE-ADUT,	antibody and detection antibody. Pair	
GMP-h-NSE	Human	specific	neuroendocrine	Recombinant human NSE	Elisa, lateral-flow tests,and other	GMP-h-NSE-Ab02:	recommendation with other Neuron specific	_
OWII -II-IVOL		·	tumors		immunoassays as control material in NSE	Anti-human NSE mouse	·	"
		enolase (NSE)		Protein	level test of Cancer(neuroendocrine	monoclonal antibody(mAb)	enolase (NSE) antibodies in NSE level test of	
					,	menediana anabaay(m.s.)	Cancer (neuroendocrine tumors) and related	
					tumors) and related syndrome evaluation.		syndrome evaluation.	

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Cancer Antigen 72-4 (CA-724)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
							Human Cancer Antigen 72-4 (CA-724)	
			carcinomas of		Cancer Antigen 72-4 (CA-724) antibodies,		antigen binding, ELISA validated as capture	
			carcinomas or		Immunogen in Sandwich Elisa, lateral-		antigen binding, ELISA validated as capture	
			pancreas,		-		antibody and detection antibody. Pair	
		Canaar	atamaah	CMD b CA 704 A 201	flow tests,and other immunoassays as	GMP-h-CA-724-Ab01;	recommendation with other Concer Antigen	
GMP-h-CA-		Cancer	stomach,	GMP-h-CA-724-Ag01:	control material in CA-724 level test of	GMP-h-CA-724-Ab02:	recommendation with other Cancer Antigen	
	Human	Antigen 72-4	gallbladder,	Recombinant human CA-724			72-4 (CA-724) antibodies in CA-724 level test	t 🛒
724		(04.704)		Ductoin	Cancer(carcinomas of pancreas,	Anti-human CA-724 mouse	-f O	
		(CA-724)	colon, ovaries,	Protein	stomach, gallbladder, colon, ovaries,	monoclonal antibody(mAb)	of Cancer (carcinomas of pancreas, stomach,	,
			cervix and		oternaori, ganbiaddor, colori, cvarice,	monodonar anabody(m/xb)	gallbladder, colon, ovaries, cervix and	
					cervix and endometrium) and related			
			endometrium		syndrome evaluation.		endometrium) and related syndrome	
					Syndrome evaluation.		evaluation.	

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epididymis protein 4 (HE4)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-HE4	Human	epididymis protein 4 (HE4)	ovarian cancer	GMP-h-HE4-Ag01: Recombinant human HE4 Protein	epididymis protein 4 (HE4) antibodies, Immunogen in Sandwich Elisa, lateral- flow tests,and other immunoassays as control material in HE4 level test of Cancer(ovarian cancer) and related syndrome evaluation.	GMP-h-HE4-Ab01; GMP-h-HE4-Ab02: Anti-human HE4 mouse monoclonal antibody(mAb)	Human Human epididymis protein 4 (HE4) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Human epididymis protein 4 (HE4) antibodies in HE4 level test of Cancer (ovarian cancer) and related syndrome evaluation.	=

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Cancer antigen 15-3 (CA15-3)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CA15- 3	Human	Cancer antigen 15-3 (CA15-3)	breast cancer	GMP-h-CA15-3-Ag01: Recombinant human CA15-3 Protein	Cancer antigen 15-3 (CA15-3) antibodies, Immunogen in Sandwich Elisa, lateral- flow tests,and other immunoassays as control material in CA15-3 level test of Cancer(breast cancer) and related syndrome evaluation.		Human Cancer antigen 15-3 (CA15-3) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Cancer antigen 15-3 (CA15-3) antibodies in CA15-3 level test of Cancer (breast cancer) and related syndrome evaluation.	

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Ferritin (FER)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-FER H			ER) hemochromatosis	GMP-h-FER-Ag01: Recombinant human FER Protein	Ferritin (FER) antibodies, Immunogen in		Human Ferritin (FER) antigen binding, ELISA	
					Sandwich Elisa, lateral-flow tests,and	GMP-h-FER-Ab01;	validated as capture antibody and detection	
		F:			other immunoassays as control material	GMP-h-FER-Ab02:	antibody. Pair recommendation with other	
	Human	remun (FER			in FER level test of	Anti-human FER mouse	Ferritin (FER) antibodies in FER level test of	=
					Cancer(hemochromatosis) and related	monoclonal antibody(mAb)	Cancer (hemochromatosis) and related	
					syndrome evaluation.		syndrome evaluation.	

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soluble fragment of cytokeratin-19 (CYFRA21-1)

Cat No. Sp	pecies	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h- CYFRA21-1	luman cy	soluble fragment of ytokeratin-19 CYFRA21-1)	bronchopulmonary dysplasia	GMP-h-CYFRA21-1-Ag01: Recombinant human CYFRA21-1 Protein	soluble fragment of cytokeratin-19 (CYFRA21-1) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in CYFRA21-1 level test of Cancer(bronchopulmonary dysplasia) and related syndrome evaluation.	GMP-h-CYFRA21-1-Ab01; GMP-h-CYFRA21-1-Ab02: Anti-human CYFRA21-1 mouse monoclonal antibody(mAb)	Human soluble fragment of cytokeratin-19 (CYFRA21-1) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other soluble fragment of cytokeratin-19 (CYFRA21-1) antibodies in CYFRA21-1 level test of Cancer (bronchopulmonary dysplasia) and related syndrome evaluation.	#

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epidermal growth factor receptor 2 (HER2)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
							Human human epidermal growth factor	
					epidermal growth factor receptor 2		receptor 2 (HER2) antigen binding, ELISA	
		epidermal		CMD h HED2 Ac01:	(HER2) antibodies, Immunogen in	GMP-h-HER2-Ab01;	validated as capture antibody and detection	
GMP-h-HER2	Llumana	growth factor	breast cancer	GMP-h-HER2-Ag01: Recombinant human HER2 Protein	Sandwich Elisa, lateral-flow tests,and	GMP-h-HER2-Ab02:	antibody. Pair recommendation with other	
GMP-II-HERZ	Human	receptor 2			other immunoassays as control material	Anti-human HER2 mouse	human epidermal growth factor receptor 2	=
		(HER2)			in HER2 level test of Cancer(breast	monoclonal antibody(mAb)	(HER2) antibodies in HER2 level test of	
					cancer) and related syndrome evaluation.		Cancer (breast cancer) and related syndrome	•
							evaluation.	

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epidermal growth factor receptor 2 (HER2)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
							Human Heat shock proteins 90-alpha	
					epidermal growth factor receptor 2		(HSP90α) antigen binding, ELISA validated as	s
GMP-h-	Human	epidermal growth factor nan receptor 2 epidermal breast cancer	CMD b USDOOG AgO1:	(HSP90α) antibodies, Immunogen in	GMP-h-HSP90α-Ab01;	capture antibody and detection antibody. Pair	r	
			•	h	GMP-h-HSP90α-Ag01:	Sandwich Elisa, lateral-flow tests,and	GMP-h-HSP90α-Ab02:	recommendation with other Heat shock
HSP90α			Recombinant human	other immunoassays as control material	Anti-human HSP90α mouse	proteins 90-alpha (HSP90α) antibodies in	=	
		(HER2)		HSP90α Protein	in HSP90α level test of Cancer(breast	monoclonal antibody(mAb)	HSP90α level test of Cancer (renal cancer,	
					cancer) and related syndrome evaluation.		liver cancer and breast cancer) and related	
							syndrome evaluation.	

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S100 proteins (S100B)

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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order	
Cal NO.	SUCCICS	Divilial kei	DISCASE	Cat No.of Antiden	Bioactivity validation of Antigen	Cat No.of Antibodies	Dioactivity validation of Antibodies	Oluei	

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
			Alzheimer		S100 proteins (S100B) antibodies,		Human S100 proteins (S100B) antigen	
		S100 proteins n (S100B)	disease, cancer		Immunogen in Sandwich Elisa, lateral-		binding, ELISA validated as capture antibody	
GMP-h-S100B			and	GMP-h-S100B-Ag01:	flow tests,and other immunoassays as	GMP-h-S100B-Ab01;	and detection antibody. Pair recommendation	
				Recombinant human S100B	control material in S100B level test of	GMP-h-S100B-Ab02:	with other S100 proteins (S100B) antibodies	
OWI -11-0 100D	Tiuman		disorders (such		Cancer(Alzheimer disease, cancer and	Anti-human S100B mouse	in S100B level test of Cancer (Alzheimer	=
			as rheumatoid	riotem	inflammatory disorders (such as	monoclonal antibody(mAb)	disease, cancer and inflammatory disorders	
			arthritis (RA)		rheumatoid arthritis (RA)) and related		(such as rheumatoid arthritis (RA)) and	
			artiffus (IVA)		syndrome evaluation.		related syndrome evaluation.	

carcinoembryonic antigen (CEA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
			breast cancer,		carcinoembryonic antigen (CEA)		Human Carcinoembryonic antigen (CEA)	
			lung cancer,		antibodies, Immunogen in Sandwich		antigen binding, ELISA validated as capture	
			breast cancer,		Elisa, lateral-flow tests,and other	GMP-h-CEA-Ab01;	antibody and detection antibody. Pair	
		carcinoembryonic		GMP-h-CEA-Ag01:	immunoassays as control material in	GMP-h-CEA-Ab02:	recommendation with other	
GMP-h-CEA		antigen (CEA)	pancreatic	Recombinant human CEA	CEA level test of Cancer(breast cancer,	Anti-human CEA mouse	Carcinoembryonic antigen (CEA) antibodies	=
		,	cancer, stomach	Protein	lung cancer, breast cancer, liver cancer,	monoclonal antibody(mAb)	in CEA level test of Cancer (breast cancer,	
			cancer, ovarian		pancreatic cancer, stomach cancer,	menecional anazeay(m. a)	lung cancer, breast cancer, liver cancer,	
			cancer		ovarian cancer) and related syndrome		pancreatic cancer, stomach cancer, ovarian	
			34.1331		evaluation.		cancer) and related syndrome evaluation.	

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Alpha-fetoprotein (AFP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
							Human Alpha-fetoprotein (AFP) antigen	
					Alpha-fetoprotein (AFP) antibodies,			
			liver cancer,				binding, ELISA validated as capture antibody	
			cancer of the		Immunogen in Sandwich Elisa, lateral-	GMP-h-AFP-Ab01;	and detection antibody. Pair recommendation	
		Alpha-	cancer or the	GMP-h-AFP-Ag01:	flow tests,and other immunoassays as	GIVIP-II-APP-ADUT,	and detection antibody. Pail recommendation	
		Дірпа-	ovaries or	OMI -II-AI I -Ago I.	now tests, and other infinitioned says as	GMP-h-AFP-Ab02:	with other Alpha-fetoprotein (AFP) antibodies	
GMP-h-AFP	Human	fetoprotein	0.000.00	Recombinant human AFP	control material in AFP level test of			
		•	testicles, liver			Anti-human AFP mouse	in AFP level test of Cancer (liver cancer,	"
		(AFP)		Protein	Cancer(liver cancer, cancer of the ovaries		·	
			cirrhosis and			monoclonal antibody(mAb)	cancer of the ovaries or testicles, liver	
					or testicles, liver cirrhosis and hepatitis)			
			hepatitis		and related syndrome evaluation.		cirrhosis and hepatitis) and related syndrome	
					and related syndrollie evaluation.		evaluation.	

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soluble vascular endothelial growth factor receptor-1 (sFlt-1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
							Human soluble vascular endothelial growth	
		soluble			soluble vascular endothelial growth factor		factor receptor-2 (sFlt-1) antigen binding,	
		Solubio			receptor-1 (sFlt-1) antibodies, Immunogen		idotor receptor 2 (or it 1) diffiger binding,	
		vascular		0.45 . 54		GMP-h-sFlt-1-Ab01;	ELISA validated as capture antibody and	
		endothelial	ascular	GMP-h-sFlt-1-Ag01:	in Sandwich Elisa, lateral-flow tests,and	GMP-h-sFlt-1-Ab02:	detection antibody. Pair recommendation with	,
GMP-h-sFlt-1	Human	Cridotricilai	diseases and	Recombinant human sFlt-1	other immunoassays as control material	OWI -11-31 IC-1-AD02.	detection andbody. Fair recommendation with	
		growth factor				Anti-human sFlt-1 mouse	other soluble vascular endothelial growth	"
		receptor-1	cancer	Protein	in sFlt-1 level test of Cancer(ascular	monoclonal antibody(mAb)	factor receptor-2 (sFlt-1) antibodies in sFlt-1	
		receptor-1			diseases and cancer) and related	monocional antibody(mAb)	lactor receptor-2 (31 k-1) antibodies in 31 k-1	
		(sFlt-1)					level test of Cancer (ascular diseases and	
					syndrome evaluation.		cancer) and related syndrome evaluation.	

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Prostate-specific antigen (PSA)

	Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order	,
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PSA	Human	Prostate-	prostate cancer	GMP-h-PSA-Ag01: Recombinant human PSA	Prostate-specific antigen (PSA) antibodies, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in PSA level test of Cancer(prostate cancer) and related syndrome evaluation.	GMP-h-PSA-Ab01; GMP-h-PSA-Ab02: Anti-human PSA mouse monoclonal antibody(mAb)	Human Prostate-specific antigen (PSA) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Prostate-specific antigen (PSA) antibodies in PSA level test of Cancer (prostate cancer) and related	=
					related symmetric evaluation.		syndrome evaluation.	

Human epidermal growth factor (hEGF)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Human epidermal growth factor (hEGF)		Human Human epidermal growth factor	
			lung cancer,		antibodies, Immunogen in Sandwich		(hEGF) antigen binding, ELISA validated as	
		Human	anal cancers,		Elisa, lateral-flow tests,and other	GMP-h-hEGF-Ab01;	capture antibody and detection antibody. Pair	
OMD L LEGE	11	epidermal	glioblastoma	GMP-h-hEGF-Ag01:	immunoassays as control material in	GMP-h-hEGF-Ab02:	recommendation with other Human epidermal	
GMP-h-hEGF		growth factor	and epithelian	Recombinant human hEGF Protein	hEGF level test of Cancer(lung cancer,	Anti-human hEGF mouse	growth factor (hEGF) antibodies in hEGF leve test of Cancer (lung cancer, anal cancers,	1 =
		(hEGF)	tumors of the		anal cancers, glioblastoma and epithelian	monoclonal antibody(mAb)	glioblastoma and epithelian tumors of the	
			head and neck		tumors of the head and neck) and related		head and neck) and related syndrome	
					syndrome evaluation.		evaluation.	

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trefoil factor 2 (TFF2)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Competitive immunoassay-validated			
		man (TFF2) and inflammatory bowel disease			hapten-carrier conjugates [BSA-&OVA-			
			Crohn's disease		trefoil factor 2 (TFF2)], trefoil factor 2		Human Carbohydrate antigen 19-9 (CA199)	
					(TFF2) antibodies binding, Immunogen in		antigen binding, ELISA validated as capture	
			GMP-SMT-TFF2-Ag01:	Competitive immunoassay validation,	GMP-SMT-TFF2-Ab01:	antibody and detection antibody. Pair		
GMP-SMT-			bil factor 2 bowel disease	BSA-trefoil factor 2 (TFF2)	Elisa, lateral-flow tests,and other	Anti-trefoil factor 2 (TFF2)	recommendation with other Carbohydrate	
TFF2	Tiuman			GMP-SMT-TFF2-Ag02:	immunoassays as control material in	mouse monoclonal	antigen 19-9 (CA199) antibodies in CA199	=
				OVA-trefoil factor 2 (TFF2)	TFF2 level test of Cancer (Crohn	antibody(mAb)	level test of Cancer (pancreatic and biliary	
			ovarian cancer		's disease and inflammatory bowel		tract tumors) and related syndrome	
			Ovarian ouncer		disease prostate breast, colon and		evaluation.	
					ovarian cancer) and related syndrome			
					evaluation.			

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trefoil factor 3 (TFF3)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Competitive immunoassay-validated			
					hapten-carrier conjugates [BSA-&OVA-		Human Carbohydrate Antigen 50 (CA50)	
				GMP-SMT-TFF3-Ag01:	trefoil factor 3 (TFF3)], trefoil factor 3	GMP-SMT-TFF3-Ab01:	antigen binding, ELISA validated as capture	
GMP-SMT-		trefoil factor 3		BSA-trefoil factor 3 (TFF3)	(TFF3) antibodies binding, Immunogen in	Anti-trefoil factor 3 (TFF3)	antibody and detection antibody. Pair	
TFF3	Human		gastric cancer	, ,	Competitive immunoassay validation,	mouse monoclonal	recommendation with other Carbohydrate	=
IFF3		(TFF3)		GMP-SMT-TFF3-Ag02:	Elisa, lateral-flow tests,and other		Antigen 50 (CA50) antibodies in CA50 level	
				OVA-trefoil factor 3 (TFF3)	immunoassays as control material in	antibody(mAb)	test of Cancer (pancreatic and colorectal	
					TFF3 level test of Cancer (gastric cancer)		cancer) and related syndrome evaluation.	
					and related syndrome evaluation.			

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Carbohydrate antigen 19-9 (CA199)

Cat No.	Species Biomark	rker Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order	,
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Carbohydrate antigen 19-9 (CA199)		Human Thymidine Kinase 1 (TK1) antigen	
					antibodies, Immunogen in Sandwich	GMP-h-CA199-Ab01;	binding, ELISA validated as capture antibody	
GMP-h-		Carbohydrate	pancreatic and	GMP-h-CA199-Ag01:	Elisa, lateral-flow tests,and other	GMP-h-CA199-Ab02:	and detection antibody. Pair recommendation	
	Human	antigen 19-9	biliary tract	Recombinant human CA199	immunoassays as control material in	Anti-human CA199 mouse	with other Thymidine Kinase 1 (TK1)	=
CA199		(CA199)	tumors	Protein	CA199 level test of Cancer(pancreatic		antibodies in TK1 level test of Cancer	
					and biliary tract tumors) and related	monoclonal antibody(mAb)	(hematological malignancies) and related	
					syndrome evaluation.		syndrome evaluation.	

Carbohydrate Antigen 50 (CA50)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Carbohydrate Antigen 50 (CA50)			
					antibodies, Immunogen in Sandwich	CMD b CASO Abod.	Antibody Binding, Immunogen in Sandwich	
		Carbohydrate	pancreatic and	GMP-h-CA50-Ag01:	Elisa, lateral-flow tests,and other	GMP-h-CA50-Ab01;	Elisa, tteral-flow tests,and other	
GMP-h-CA50	Human	Antigen 50	colorectal	Recombinant human CA50	immunoassays as control material in	GMP-h-CA50-Ab02:	immunoassays in Carbohydrate Antigen 50	=
		(CA50)	cancer	Protein	CA50 level test of Cancer(pancreatic and	Anti-human CA50 mouse	(CA50) level test in human infectious disease	:
					colorectal cancer) and related syndrome	monoclonal antibody(mAb)	diagnositcs-for West Nile fever.	
					evaluation.			

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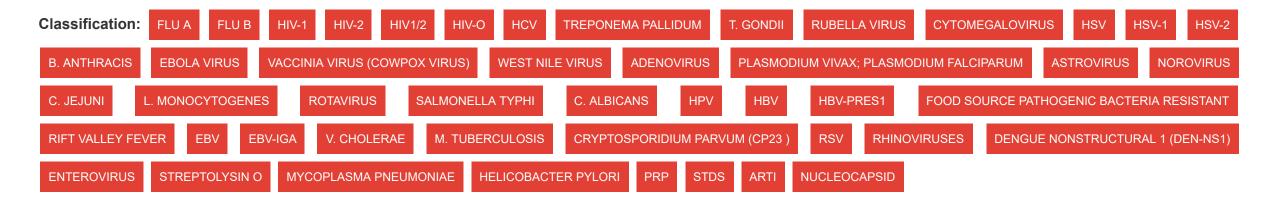
Thymidine Kinase 1 (TK1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-TK1	Human	Thymidine Kinase 1 (TK1)	hematological malignancies	GMP-h-TK1-Ag01: Recombinant human TK1 Protein	Thymidine Kinase 1 (TK1) antibodies, Immunogen in Sandwich Elisa, lateral- flow tests,and other immunoassays as control material in TK1 level test of Cancer(hematological malignancies) and	GMP-h-TK1-Ab01; GMP-h-TK1-Ab02: Anti-human TK1 mouse	Antibody Binding, Immunogen in Sandwich Elisa, tteral-flow tests,and other immunoassays in Thymidine Kinase 1 (TK1) level test in human infectious disease	
					related syndrome evaluation.	,	diagnositcs-for West Nile fever.	

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Diagnostic antibodies and antigens for infectious disease detection

It is important to diagnose the infectious disease even before it becomes serious. The traditional pathogen-detection methods, such as culture, have established their credibility over time, they are often slow and relatively insensitive. In addition, there are several emerging infectious diseases (ID) such as dengue fever, zika virus, corona virus and so on are need to be diagnosed immediately to prevent the outbreak. Immunodiagnostics show great promise than the traditional methods used in clinical diagnosis. GENEMEDI developed the antigens and antibodies for rapid kit such as competitive immunoassay validation (Competitive ELISA) with hapten-carrier conjugates and anti-Hapten antibody, and Lateral flow immunoassay (LFIA) ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT to detect the different types of infectious disease.



Influenza A (flu A)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Influenza A (nucleoprotein (NP))	GMP-IVD-P001-Tg001-	Influenza A (nucleoprotein (NP)) antigen	
				GMP-IVD-P001-Tg001-	antibodies binding, Immunogen in	Ab01;	binding, ELISA validated as capture antibody	,
OMP IVP	I			Ag01:	Sandwich Elisa, lateral-flow tests,	GMP-IVD-P001-Tg001-	and detection antibody. Pair recommendation	1
GMP-IVD-	Influenza A	nucleoprotein	Flu	Recombinant Influenza A (flu	and other immunoassays as control	Ab02:	with other Influenza A (nucleoprotein (NP))	=
P001-Tg001	(flu A)	(NP)		A) nucleoprotein (NP)	material in nucleoprotein (NP) level	Anti-Influenza A (flu A)	antibodies in nucleoprotein (NP) level test of	
				Protein	test of Infectious disease (Flu) and	nucleoprotein (NP) mouse	Infectious disease (Flu) and related syndrome	9
					related syndrome evaluation.	monoclonal antibody (mAb)	evaluation.	

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Influenza B (Flu B)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order	
		fluenza B nucleoprotein (Flu B) (NP)			Influenza B (nucleoprotein (NP))	GMP-IVD-P002-Tg001-	Influenza B (nucleoprotein (NP)) antigen		
				GMP-IVD-P002-Tg001-	antibodies binding, Immunogen in	Ab01;	binding, ELISA validated as capture antibody	,	
CMP IVP	I				Ag01:	Sandwich Elisa, lateral-flow tests,	GMP-IVD-P002-Tg001-	and detection antibody. Pair recommendation	1
GMP-IVD-				Flu	Recombinant Influenza B	and other immunoassays as control	Ab02:	with other Influenza B (nucleoprotein (NP))	=
P002-Tg001	(Flu B)			(Flu B) nucleoprotein (NP)	material in nucleoprotein (NP) level	Anti-Influenza B (Flu B)	antibodies in nucleoprotein (NP) level test of		
				Protein	test of Infectious disease (Flu) and	nucleoprotein (NP) mouse	Infectious disease (Flu) and related syndrome	•	
					related syndrome evaluation.	monoclonal antibody (mAb)	evaluation.		

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Human immunodeficiency virus 1 (HIV-1)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Human immunodeficiency virus 1	GMP-IVD-P003-Tq001-	Human immunodeficiency virus 1 (GP41	
				GMP-IVD-P003-Tg001-	(GP41 Protein) antibodies binding,	Ab01;	Protein) antigen binding, ELISA validated as	;
				Ag01:	Immunogen in Sandwich Elisa,	GMP-IVD-P003-Tg001-	capture antibody and detection antibody.	
GMP-IVD-	Human		Acquired	Recombinant Human	lateral-flow tests, and other	Ab02:	Pair recommendation with other Human	
P003-Tg001	immunodeficiency	GP41 Protein	immunodeficiency	immunodeficiency virus 1	immunoassays as control material in	Anti-Human	immunodeficiency virus 1 (GP41 Protein)	₩
	virus 1 (HIV-1)		syndrome(AIDS)	(HIV-1) GP41 Protein	GP41 Protein level test of Infectious	immunodeficiency virus 1	antibodies in GP41 Protein level test of	
				Protein		(HIV-1) GP41 Protein mouse		
					syndrome(AIDS)) and related	monoclonal antibody (mAb)	immunodeficiency syndrome(AIDS)) and	
					syndrome evaluation.		related syndrome evaluation.	

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Human immunodeficiency virus 2 (HIV-2)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
					Human immunodeficiency virus 2		Human immunodeficiency virus 2 (GP36	
					(GP36 Protein) antibodies binding,	GMP-IVD-P004-Tg001-	Protein) antigen binding, ELISA validated as	5
				GMP-IVD-P004-Tg001-	Immunogen in Sandwich Elisa,	Ab01;	capture antibody and detection antibody.	
	Human		Acquired	Ag01:		GMP-IVD-P004-Tg001-	Pair recommendation with other Human	
GMP-IVD-			Acquired	Recombinant Human	lateral-flow tests, and other	Ab02:		
P004-Tg001	immunodeficiency	GP36 Protein	immunodeficiency	immunodeficiency virus 2	immunoassays as control material in	Anti-Human	immunodeficiency virus 2 (GP36 Protein)	=
	virus 2 (HIV-2)		syndrome(AIDS)	(HIV-2) GP36 Protein	GP36 Protein level test of Infectious	immunodeficiency virus 2	antibodies in GP36 Protein level test of	
					disease (Acquired immunodeficiency		Infectious disease (Acquired	
				Protein	syndrome(AIDS)) and related	(HIV-2) GP36 Protein mouse	immunodeficiency syndrome(AIDS)) and	
					syndrome evaluation.	monoclonal antibody (mAb)	related syndrome evaluation.	

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immunodeficiency virus 1/2 (HIV1/2)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
					immunodeficiency virus 1/2 (HIV p24	GMP-IVD-P005-Tg001-	immunodeficiency virus 1/2 (HIV p24	
				GMP-IVD-P005-Tg001-	antigen) antibodies binding,	Ab01;	antigen) antigen binding, ELISA validated as	
				Ag01:	Immunogen in Sandwich Elisa,	GMP-IVD-P005-Tg001-	capture antibody and detection antibody. Pair	<i>:</i>
GMP-IVD-	immunodeficiency	HIV p24	AIDO	Recombinant	lateral-flow tests, and other	Ab02:	recommendation with other	
P005-Tg001	virus 1/2 (HIV1/2)	antigen	AIDS	immunodeficiency virus 1/2	immunoassays as control material in	Anti-immunodeficiency virus	immunodeficiency virus 1/2 (HIV p24	=
				(HIV1/2) HIV p24 antigen	HIV p24 antigen level test of	1/2 (HIV1/2) HIV p24 antigen	antigen) antibodies in HIV p24 antigen level	
				Protein	Infectious disease (AIDS) and	mouse monoclonal antibody	test of Infectious disease (AIDS) and related	
					related syndrome evaluation.	(mAb)	syndrome evaluation.	

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immunodeficiency virus-O antigen (HIV-O)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order	
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					immunodeficiency virus-O antigen	GMP-IVD-P006-Tg001-	immunodeficiency virus-O antigen (O-	
				GMP-IVD-P006-Tg001-	(O-antigen) antibodies binding,	Ab01;	antigen) antigen binding, ELISA validated as	
	immunodeficiency			Ag01:	Immunogen in Sandwich Elisa,	GMP-IVD-P006-Tg001-	capture antibody and detection antibody. Pair	r
GMP-IVD-	virus-O antigen	O-antigen	AIDS	Recombinant	lateral-flow tests, and other	Ab02:	recommendation with other	_
P006-Tg001		O-antigen	AIDS	immunodeficiency virus-O	immunoassays as control material in	Anti-immunodeficiency virus-	immunodeficiency virus-O antigen (O-	=
	(1114-0)			antigen (HIV-O) O-antigen	O-antigen level test of Infectious	O antigen (HIV-O) O-antigen	antigen) antibodies in O-antigen level test of	
				Protein	disease (AIDS) and related	mouse monoclonal antibody	Infectious disease (AIDS) and related	
					syndrome evaluation.	(mAb)	syndrome evaluation.	

hepatitis C virus (HCV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P007-Tg001	Pathogen hepatitis C virus (HCV)	Target Recombinant HCV NS3- NS4-NS5 fusion Protein (His Tag)	Disease Hepatitis C	Cat No.of Antigen GMP-IVD-P007-Tg001- Ag01: Recombinant hepatitis C virus (HCV) Recombinant HCV NS3-NS4-NS5 fusion Protein (His Tag) Protein	Bioactivity validation of Antigen HCV core antigen (Recombinant HCV NS3-NS4-NS5 fusion Protein (His Tag)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in Recombinant HCV NS3-NS4-NS5 fusion Protein (His Tag) level test of	Cat No.of Antibodies GMP-IVD-P007-Tg001- Ab01; GMP-IVD-P007-Tg001- Ab02: Anti-hepatitis C virus (HCV) Recombinant HCV NS3- NS4-NS5 fusion Protein (His Tag) mouse monoclonal	HCV core antigen (Recombinant HCV NS3-NS4-NS5 fusion Protein (His Tag)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other HCV core antigen (Recombinant HCV NS3-NS4-NS5 fusion Protein (His Tag)) antibodies in Recombinant HCV NS3-NS4-	=
					Infectious disease (Hepatitis C) and related syndrome evaluation.	antibody (mAb)	Infectious disease (Hepatitis C) and related syndrome evaluation.	

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Treponema Pallidum (TP)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Treponema Pallidum (Recombinant	GMP-IVD-P008-Tg001-	Treponema Pallidum (Recombinant TP P15-	
					TP P15-P17-P47 fusion Protein (His	Ab01;	P17-P47 fusion Protein (His Tag)) antigen	
		Recombinant		GMP-IVD-P008-Tg001-	Tag)) antibodies binding, Immunogen	GMP-IVD-P008-Tg001-	binding, ELISA validated as capture antibody	
		TP P15-P17-		Ag01:	in Sandwich Elisa, lateral-flow tests,	Ab02:	and detection antibody. Pair recommendation	
GMP-IVD-	Treponema	P47 fusion	syphilis	Recombinant Treponema	and other immunoassays as control	Anti-Treponema Pallidum	with other Treponema Pallidum (Recombinant	t 🕳
P008-Tg001	Pallidum (TP)		- J. P	Pallidum (TP) Recombinant	material in Recombinant TP P15-	(TP) Recombinant TP P15-	TP P15-P17-P47 fusion Protein (His Tag))	
		Tag)		TP P15-P17-P47 fusion	P17-P47 fusion Protein (His Tag)	P17-P47 fusion Protein (His	antibodies in Recombinant TP P15-P17-P47	
		rag,		Protein (His Tag) Protein	level test of Infectious disease	Tag) mouse monoclonal	fusion Protein (His Tag) level test of Infectious	;
					(syphilis) and related syndrome	antibody (mAb)	disease (syphilis) and related syndrome	
					evaluation.	andody (IIIAb)	evaluation.	

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Toxoplasma gondii (T. gondii)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
					toxoplasma gondii (P30) antibodies	GMP-IVD-P009-Tg001-	toxoplasma gondii (P30) antigen binding,	
				CMD IV/D D000 T-004	binding, Immunogen in Sandwich	Ab01;	ELISA validated as capture antibody and	
CMD IVD	Toxoplasma			GMP-IVD-P009-Tg001-	Elisa, lateral-flow tests, and other	GMP-IVD-P009-Tg001-	detection antibody. Pair recommendation with	1
GMP-IVD-	gondii (T.	P30	Toxoplasmosis		immunoassays as control material in	Ab02:	other toxoplasma gondii (P30) antibodies in	=
P009-Tg001	gondii)			Recombinant Toxoplasma	P30 level test of Infectious disease	Anti-Toxoplasma gondii (T.	P30 level test of Infectious disease	
				gondii (T. gondii) P30 Protein	(Toxoplasmosis) and related	gondii) P30 mouse	(Toxoplasmosis) and related syndrome	
					syndrome evaluation.	monoclonal antibody (mAb)	evaluation.	

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rubella virus

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
GMP-IVD- P010-Tg001	rubella virus	CAPSID (C)	Rubella or German measles or three- day measlesis	GMP-IVD-P010-Tg001- Ag01: Recombinant rubella virus CAPSID (C) Protein	rubella virus (CAPSID (C)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in CAPSID (C) level test of Infectious disease (Rubella or German measles or three-day measlesis) and related syndrome evaluation.	GMP-IVD-P010-Tg001- Ab01; GMP-IVD-P010-Tg001- Ab02: Anti-rubella virus CAPSID (C) mouse monoclonal antibody (mAb)	rubella virus (CAPSID (C)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other rubella virus (CAPSID (C)) antibodies in CAPSID (C) level test of Infectious disease (Rubella or German measles or three-day measlesis) and related syndrome evaluation.	
GMP-IVD- P010-Tg002	rubella virus	capsid protein; Nucleoprotein	Rubella	GMP-IVD-P010-Tg002- Ag01: Recombinant rubella virus capsid protein; Nucleoprotein Protein	rubella virus (capsid protein; Nucleoprotein) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in capsid protein; Nucleoprotein level test of Infectious disease (Rubella) and related syndrome evaluation.	GMP-IVD-P010-Tg002- Ab01; GMP-IVD-P010-Tg002- Ab02: Anti-rubella virus capsid protein; Nucleoprotein mouse monoclonal antibody (mAb)	rubella virus (capsid protein; Nucleoprotein) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other rubella virus (capsid protein; Nucleoprotein) antibodies in capsid protein; Nucleoprotein level test of Infectious disease (Rubella) and related syndrome evaluation.	₹

Cytomegalovirus (CMV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Cytomegalovirus (pp65) antibodies	GMP-IVD-P011-Tg001-	Cytomegalovirus (pp65) antigen binding,	
				GMP-IVD-P011-Tg001-	binding, Immunogen in Sandwich	Ab01;	ELISA validated as capture antibody and	
			chickenpox,	Ag01:	Elisa, lateral-flow tests, and other	· ·	detection antibody. Pair recommendation with	ו
GMP-IVD-	Cytomegalovirus	pp65	herpes simplex	Recombinant	immunoassays as control material in		other Cytomegalovirus (pp65) antibodies in	
P011-Tg001	(CMV)	рроз	and	Cytomegalovirus (CMV)	pp65 level test of Infectious disease	Anti-Cytomegalovirus (CMV)	pp65 level test of Infectious disease	=
			mononucleosis	pp65 Protein	(chickenpox, herpes simplex and	pp65 mouse monoclonal	(chickenpox, herpes simplex and	
				ppos Protein	mononucleosis) and related		mononucleosis) and related syndrome	
					syndrome evaluation.	antibody (mAb)	evaluation.	

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herpes simplex virus (HSV)

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Herpes simplex virus 1 (HSV-1)

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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Herpes simplex virus 1 (glycoprotein	GMP-IVD-P013-Tg001-	Herpes simplex virus 1 (glycoprotein G (gG-	
				GMP-IVD-P013-Tg001-	G (gG-1)) antibodies binding,	Ab01;	1)) antigen binding, ELISA validated as	
	Herpes			Ag01:	Immunogen in Sandwich Elisa,	GMP-IVD-P013-Tg001-	capture antibody and detection antibody. Pair	r
GMP-IVD-		glycoprotein G	oral herpes	Recombinant Herpes	lateral-flow tests, and other	Ab02:	recommendation with other Herpes simplex	_
P013-Tg001	1 (HSV-1)	(gG-1)	oral herpes	simplex virus 1 (HSV-1)	immunoassays as control material in	Anti-Herpes simplex virus 1	virus 1 (glycoprotein G (gG-1)) antibodies in	=
	1 (1134-1)			glycoprotein G (gG-1)	glycoprotein G (gG-1) level test of	(HSV-1) glycoprotein G (gG-	glycoprotein G (gG-1) level test of Infectious	
				Protein	Infectious disease (oral herpes) and	1) mouse monoclonal	disease (oral herpes) and related syndrome	
					related syndrome evaluation.	antibody (mAb)	evaluation.	

Herpes simplex virus 2 (HSV-2)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Herpes simplex virus 2 (glycoprotein	GMP-IVD-P014-Tg001-	Herpes simplex virus 2 (glycoprotein G (gG-	
				GMP-IVD-P014-Tg001-	G (gG-2)) antibodies binding,	Ab01;	2)) antigen binding, ELISA validated as	
	Hornes			Ag01:	Immunogen in Sandwich Elisa,	GMP-IVD-P014-Tg001-	capture antibody and detection antibody. Pair	r
GMP-IVD-		glycoprotein G	genital herpes	Recombinant Herpes	lateral-flow tests, and other	Ab02:	recommendation with other Herpes simplex	
P014-Tg001	simplex virus 2 (HSV-2)	(gG-2)	geriitai nerpes	simplex virus 2 (HSV-2)	immunoassays as control material in	Anti-Herpes simplex virus 2	virus 2 (glycoprotein G (gG-2)) antibodies in	=
	2 (1134-2)			glycoprotein G (gG-2)	glycoprotein G (gG-2) level test of	(HSV-2) glycoprotein G (gG-	glycoprotein G (gG-2) level test of Infectious	
			Protein Infectious disease (genital herpes) 2) mouse monoclonal disease (genital herpe	disease (genital herpes) and related				
					and related syndrome evaluation.	antibody (mAb)	syndrome evaluation.	

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Bacillus anthracis (B. anthracis)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					anthrax bacillus (protective antigen	GMP-IVD-P015-Tg001-	anthrax bacillus (protective antigen (PA))	
GMP-IVD- P015-Tg001				GMP-IVD-P015-Tg001-	(PA)) antibodies binding, Immunogen	Ab01;	antigen binding, ELISA validated as capture	
	Bacillus			Ag01:	in Sandwich Elisa, lateral-flow tests,	GMP-IVD-P015-Tg001-	antibody and detection antibody. Pair	
	anthracis (B.	protective	Anthrax	Recombinant Bacillus	and other immunoassays as control	Ab02:	recommendation with other anthrax bacillus	
	,	antigen (PA)	Anunax	anthracis (B. anthracis)	material in protective antigen (PA)	Anti-Bacillus anthracis (B.	(protective antigen (PA)) antibodies in	=
	anthracis)			protective antigen (PA)	level test of Infectious disease	anthracis) protective antigen	protective antigen (PA) level test of Infectious	;
				Protein	(Anthrax) and related syndrome	(PA) mouse monoclonal	disease (Anthrax) and related syndrome	
					evaluation.	antibody (mAb)	evaluation.	

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Ebola virus (EV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P016-Tg001	ebola virus (EV)	nucleoprotein (NP)	Ebola Virus Disease	GMP-IVD-P016-Tg001- Ag01: Recombinant ebola virus (EV) nucleoprotein (NP) Protein	ebola virus (nucleoprotein (NP)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in nucleoprotein (NP) level test of Infectious disease (Ebola Virus	GMP-IVD-P016-Tg001- Ab01; GMP-IVD-P016-Tg001- Ab02: Anti-ebola virus (EV)	ebola virus (nucleoprotein (NP)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other ebola virus (nucleoprotein (NP)) antibodies in nucleoprotein (NP) level test of Infectious disease (Ebola Virus Disease) and	, , , , , , , , , , , , , , , , , , ,
					Disease) and related syndrome evaluation.	monoclonal antibody (mAb)	related syndrome evaluation.	

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Vaccinia virus (cowpox virus)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde	r
	_	_					_		- 1

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD-P017-Tg001	Vaccinia virus (cowpox virus)	NA	Cowpox	GMP-IVD-P017-Tg001- Ag01: Recombinant Vaccinia virus	Vaccinia virus (cowpox virus) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in Vaccinia virus (cowpox	Cat No.of Antibodies GMP-IVD-P017-Tg001- Ab01; GMP-IVD-P017-Tg001- Ab02: Anti-Vaccinia virus (cowpox	Vaccinia virus (cowpox virus) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Vaccinia virus (cowpox virus) antibodies in Vaccinia virus (cowpox virus) level test of	, 1
				(cowpox virus) Protein	virus) level test of Infectious disease (Cowpox) and related syndrome evaluation.	virus) mouse monoclonal antibody (mAb)	Infectious disease (Cowpox) and related syndrome evaluation.	

West Nile virus (WNV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					West Nile virus (envelope (E))	GMP-IVD-P018-Tg001-	West Nile virus (envelope (E)) antigen	
				CMD IVD D049 T~004	antibodies binding, Immunogen in	Ab01;	binding, ELISA validated as capture antibody	
CMD IV/D	\\\\4 \\\\\\-			GMP-IVD-P018-Tg001-	Sandwich Elisa, lateral-flow tests,	GMP-IVD-P018-Tg001-	and detection antibody. Pair recommendation	
GMP-IVD-	West Nile	envelope (E)	West Nile fever		and other immunoassays as control	Ab02:	with other West Nile virus (envelope (E))	=
P018-Tg001	virus (WNV)			Recombinant West Nile virus	material in envelope (E) level test of	Anti-West Nile virus (WNV)	antibodies in envelope (E) level test of	
				(WNV) envelope (E) Protein	Infectious disease (West Nile fever)	envelope (E) mouse	Infectious disease (West Nile fever) and	
					and related syndrome evaluation.	monoclonal antibody (mAb)	related syndrome evaluation.	

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Adenovirus

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
	raulogen	Target	cold-like symptoms, fever, sore throat,	GMP-IVD-P019-Tg001-	adenovirus antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in	GMP-IVD-P019-Tg001- Ab01;	adenovirus antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other adenovirus	
GMP-IVD- P019-Tg001	adenovirus	NA	bronchitis, pneumonia, diarrhea, and pink eye (conjunctivitis)	Ag01: Recombinant adenovirus Protein	adenovirus level test of Infectious disease (cold-like symptoms, fever, sore throat, bronchitis, pneumonia, diarrhea, and pink eye (conjunctivitis)) and related syndrome evaluation.	GMP-IVD-P019-Tg001- Ab02: Anti-adenovirus mouse monoclonal antibody (mAb)	antibodies in adenovirus level test of Infectious disease (cold-like symptoms, fever, sore throat, bronchitis, pneumonia, diarrhea, and pink eye (conjunctivitis)) and related syndrome evaluation.	

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Plasmodium vivax; Plasmodium falciparum

Cat No. Pat	Target Disease	Target Disease Cat No.of Antigen Bioactivity va	alidation of Antigen Cat No.of Antibodies Bioactivity validation of Antibodie	Orde
Cat No. Pati	merozoite surface protein (MSP) (Plasmodium vivax); malaria	malaria (mero:	malaria (merozoite surface protein (Missemodium vivax); Ab01; CMP-IVD-P020-Tg001- Ab01; Protein (CSP) (Plasmodium vivax); Circumsporozoite surface protein (Missemodium vivax); Protein (CSP) (Plasmodium falciparum antigen binding, ELISA validated as capation antibody and detection antibody. Palasmodium vivax; Plasmodium falciparum (merozoite surface protein (Missemodium vivax); Circumsporozoite surface protein (Missemodium vivax); Protein (CSP) (Plasmodium falciparum antigen binding, ELISA validated as capation in Sandwich anti-Plasmodium vivax); Circumsporozoite surface protein (Missemodium vivax); Circumsporozoite surface protein (Missemodium vivax); Protein (CSP) (Plasmodium falciparum antigen binding, ELISA validated as capation in Sandwich anti-Plasmodium vivax); Circumsporozoite surface protein (Missemodium vivax); Protein (CSP) (Plasmodium falciparum antigen binding, ELISA validated as capation in Sandwich antigen binding antige	e n)) ture e n)) n zoite evel

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Astrovirus

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Astrovirus (capsid proteins)	GMP-IVD-P021-Tg001-	Astrovirus (capsid proteins) antigen binding,	
				CMD IVD D004 T=004	antibodies binding, Immunogen in	Ab01;	ELISA validated as capture antibody and	
OMP IVP				GMP-IVD-P021-Tg001-	Sandwich Elisa, lateral-flow tests,	GMP-IVD-P021-Tg001-	detection antibody. Pair recommendation with	1
GMP-IVD-	Astrovirus	capsid	gastroenteritis		and other immunoassays as control	Ab02:	other Astrovirus (capsid proteins) antibodies	=
P021-Tg001		proteins		Recombinant Astrovirus	material in capsid proteins level test	Anti-Astrovirus capsid	in capsid proteins level test of Infectious	
				capsid proteins Protein	of Infectious disease (gastroenteritis)	proteins mouse monoclonal	disease (gastroenteritis) and related	
					and related syndrome evaluation.	antibody (mAb)	syndrome evaluation.	

Norovirus (NV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Norovirus (VP1) antibodies binding,	GMP-IVD-P022-Tg001-	Nanadimas (VD4) autimas kindinas EUOA	
				GMP-IVD-P022-Tg001-	Immunogen in Sandwich Elisa,	Ab01;	Norovirus (VP1) antigen binding, ELISA validated as capture antibody and detection	
GMP-IVD-	Norovirus		vomiting and	Ag01:	lateral-flow tests, and other	GMP-IVD-P022-Tg001-	antibody. Pair recommendation with other	
P022-Tg001	(NV)	VP1	diarrhea	Recombinant Norovirus (NV)	immunoassays as control material in		Norovirus (VP1) antibodies in VP1 level test o	√t <u>≅</u>
1 022-19001	(140)		diamica	VP1 Protein	VP1 level test of Infectious disease	Anti-Norovirus (NV) VP1	Infectious disease (vomiting and diarrhea) and	
				VITIOCHI	(vomiting and diarrhea) and related	mouse monoclonal antibody	,	
					syndrome evaluation.	(mAb)	related syndrome evaluation.	

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Campylobacter jejuni (C. jejuni)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Campylobacter jejuni (Outer		Campylobacter jejuni (Outer Membrane	
					Membrane Protein (OMP); Flagellar	GMP-IVD-P023-Tg001-	Protein (OMP); Flagellar L-ring protein	
		Outer		GMP-IVD-P023-Tg001-	L-ring protein (FLGH)) antibodies	Ab01;	(FLGH)) antigen binding, ELISA validated as	
		Membrane		Ag01:	binding, Immunogen in Sandwich	GMP-IVD-P023-Tg001-	capture antibody and detection antibody. Pair	
GMP-IVD-	Campylobacter	Protein		Recombinant Campylobacter	Elisa, lateral-flow tests, and other	Ab02:	recommendation with other Campylobacter	
P023-Tg001	jejuni (C.	(OMP);	gastroenteritis	jejuni (C. jejuni) Outer	immunoassays as control material in	Anti-Campylobacter jejuni	jejuni (Outer Membrane Protein (OMP);	=
F023-19001	jejuni)	Flagellar L-		Membrane Protein (OMP);	Outer Membrane Protein (OMP);	(C. jejuni) Outer Membrane	Flagellar L-ring protein (FLGH)) antibodies in	
		ring protein		Flagellar L-ring protein	Flagellar L-ring protein (FLGH) level	Protein (OMP); Flagellar L-	Outer Membrane Protein (OMP); Flagellar L-	
		(FLGH)		(FLGH) Protein	test of Infectious disease	ring protein (FLGH) mouse	ring protein (FLGH) level test of Infectious	
					(gastroenteritis) and related	monoclonal antibody (mAb)	disease (gastroenteritis) and related	
					syndrome evaluation.		syndrome evaluation.	

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Listeria monocytogenes (L. monocytogenes)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Listeria monocytogenes (Listeriolysin	GMP-IVD-P024-Tg001-	Listeria monocytogenes (Listeriolysin O	
				GMP-IVD-P024-Tg001-	O (LLO)) antibodies binding,	Ab01;	(LLO)) antigen binding, ELISA validated as	
	Listeria			Ag01:	Immunogen in Sandwich Elisa,	GMP-IVD-P024-Tg001-	capture antibody and detection antibody. Pair	r
GMP-IVD-	monocytogenes	Listeriolysin O		Recombinant Listeria	lateral-flow tests, and other	Ab02:	recommendation with other Listeria	.
P024-Tg001	(L.	(LLO)	Listeriosis	monocytogenes (L.	immunoassays as control material in	Anti-Listeria monocytogenes	monocytogenes (Listeriolysin O (LLO))	=
	monocytogenes)			monocytogenes) Listeriolysin	Listeriolysin O (LLO) level test of	(L. monocytogenes)	antibodies in Listeriolysin O (LLO) level test o	of
				O (LLO) Protein	Infectious disease (Listeriosis) and	Listeriolysin O (LLO) mouse	Infectious disease (Listeriosis) and related	
					related syndrome evaluation.	monoclonal antibody (mAb)	syndrome evaluation.	

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Rotavirus

Cat No. Pathogen Target Disease Cat No.of Antigen Bioactivity validation of Antigen Cat No.of Antibodies Bioactivity validatio	Cat No.	Bioactivity validation of Antibodies Order
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD- P025-Tg001	rotavirus	VP6	watery diarrhea and vomiting	GMP-IVD-P025-Tg001- Ag01: Recombinant rotavirus VP6 Protein	rotavirus (VP6) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in VP6 level test of Infectious disease (watery diarrhea and vomiting) and related syndrome evaluation.	GMP-IVD-P025-Tg001- Ab01; GMP-IVD-P025-Tg001- Ab02: Anti-rotavirus VP6 mouse monoclonal antibody (mAb)	rotavirus (VP6) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other rotavirus (VP6) antibodies in VP6 level test of Infectious disease (watery diarrhea and vomiting) and related syndrome evaluation.	f

Salmonella typhi

Cat No.	Target Disease	Pathogen	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD- P026-Tg001	outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi)	Salmonella typhi	GMP-IVD-P026-Tg001- Ag01: Recombinant Salmonella typhi outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi) Protein	salmonella (outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi) level test of Infectious disease (Salmonellosis) and related syndrome evaluation.	GMP-IVD-P026-Tg001- Ab01; GMP-IVD-P026-Tg001- Ab02: Anti-Salmonella typhi outer membrane channel protein (Tolc) OMP 50 (Salmonella	salmonella (outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other salmonella (outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi)) antibodies in outer membrane channel protein (Tolc) OMP 50 (Salmonella typhi) level test of Infectious disease (Salmonellosis) and related syndrome evaluation.	₩

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Candida albicans (C. albicans)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order		
					candida (enolase (Candida albicans))	GMP-IVD-P027-Tg001-	candida (enolase (Candida albicans)) antigen	1		
				GMP-IVD-P027-Tg001-	antibodies binding, Immunogen in	Ab01;	binding, ELISA validated as capture antibody	,		
	Candida	onologo		Ag01:	Sandwich Elisa, lateral-flow tests,	GMP-IVD-P027-Tg001-	and detection antibody. Pair recommendation	1		
GMP-IVD-		(C. (Candida	C. (Candida C	(C. (Candida Ca	Candidiasis	Recombinant Candida	and other immunoassays as control	Ab02:	with other candida (enolase (Candida	
P027-Tg001	P027-Tg001				Carididiasis	albicans (C. albicans)	material in enolase (Candida	Anti-Candida albicans (C.	albicans)) antibodies in enolase (Candida	=
	aibicaris)	aibicaris)		enolase (Candida albicans)	albicans) level test of Infectious	albicans) enolase (Candida	albicans) level test of Infectious disease			
				Protein	disease (Candidiasis) and related	albicans) mouse monoclonal	(Candidiasis) and related syndrome			
					syndrome evaluation.	antibody (mAb)	evaluation.			

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Human papilloma virus (HPV)

Cat No.	athogen Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
GMP-IVD- P028-Tg001	Human HPV 16 L1 apilloma capsid proteil us (HPV)	cervical and n other cancers	, ,	papilloma virus (HPV 16 L1 capsid protein) antibodies binding, Immunogen in Sandwich Elisa, Iateral-flow tests, and other immunoassays as control material in HPV 16 L1 capsid protein level test of Infectious disease (cervical and other cancers) and related syndrome evaluation.		papilloma virus (HPV 16 L1 capsid protein) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other papilloma virus (HPV 16 L1 capsid protein) antibodies in HPV 16 L1 capsid protein level test of Infectious disease (cervical and other cancers) and related syndrome evaluation.	=

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Hepatitis b virus (HBV)

Cat No. Pathogen Target Disease Cat No.of Antigen Bioactivity validation of Antigen Cat No.of Antibodies Bioactivity validation	dies Order
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order						
					Hepatitis B s antigen (HBsAg)	GMP-IVD-P029-Tg001-	Hepatitis B s antigen (HBsAg) antigen							
				OMD IVD D000 T-004	antibodies binding, Immunogen in	Ab01;	binding, ELISA validated as capture antibody							
OMP IVP	11	HBsAg (hepatitis		GMP-IVD-P029-Tg001-	Sandwich Elisa, lateral-flow tests,	GMP-IVD-P029-Tg001-	and detection antibody. Pair recommendation							
GMP-IVD-	Hepatitis b	B surface	Hepatitis B		and other immunoassays as control	Ab02:	with other Hepatitis B s antigen (HBsAg)	=						
P029-Tg001	g001 virus (HBV)	antigen)		Recombinant Hepatitis b	material in HBsAg level test of	Anti-Hepatitis B virus (HBV)	antibodies in HBsAg level test of Infectious							
				virus (HBV) HBsAg Protein	Infectious disease (Hepatitis B) and	HBsAg mouse monoclonal	disease (Hepatitis B) and related syndrome							
					related syndrome evaluation.	antibody (mAb)	evaluation.							
					Hepatitis B e antigen (HBeAg)	GMP-IVD-P029-Tg002-	Hepatitis B e antigen (HBeAg) antigen							
					antibodies binding, Immunogen in	Ab01;	binding, ELISA validated as capture antibody							
014D IV/D		LID A (1		GMP-IVD-P029-Tg002-	Sandwich Elisa, lateral-flow tests,	GMP-IVD-P029-Tg002-	and detection antibody. Pair recommendation							
GMP-IVD-	·		Hepatitis B	Ag01: Recombinant Hepatitis B	and other immunoassays as control	Ab02:	with other hepatitis B e antigen (HBeAg)	=						
P029-Tg002	virus (HBV)		B e-antigen)	B e-antigen)	B e-antigen)	B e-antigen)	B e-antigen)	B e-antigen)			material in HBeAg level test of	Anti-Hepatitis B virus (HBV)	antibodies in HBeAg level test of Infectious	
				virus (HBV) HBeAg Protein	Infectious disease (Hepatitis B) and	HBeAg mouse monoclonal	disease (Hepatitis B) and related syndrome							
					related syndrome evaluation.	antibody (mAb)	evaluation.							
					Hepatitis B core antigen (HBcAg)	GMP-IVD-P029-Tg003-	Hepatitis B core antigen (HBcAg) antigen							
					antibodies binding, Immunogen in	Ab01;	binding, ELISA validated as capture antibody							
014D IV/D		LID A (1		GMP-IVD-P029-Tg003-	Sandwich Elisa, lateral-flow tests,	GMP-IVD-P029-Tg003-	and detection antibody. Pair recommendation							
	'	HBcAg (hepatitis	Hepatitis B	Ag01:	and other immunoassays as control	Ab02:	with other hepatitis B core antigen (HBcAg)	=						
P029-Tg003	virus (HBV)	B Core antigen)		Recombinant Hepatitis B	material in HBcAg level test of	Anti-Hepatitis B virus (HBV)	antibodies in HBcAg level test of Infectious							
			virus (HBV) HBcAg Protein	Infectious disease (Hepatitis B) and	HBcAg mouse monoclonal	disease (Hepatitis B) and related syndrome								
					related syndrome evaluation.	antibody (mAb)	evaluation.							

Hepatitis B virus-PreS1 (HBV-PreS1)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Hepatitis B virus-PreS1 (PreS1)	GMP-IVD-P030-Tg001-	Hepatitis B virus-PreS1 (PreS1) antigen	
				GMP-IVD-P030-Tg001-	antibodies binding, Immunogen in	Ab01;	binding, ELISA validated as capture antibody	,
GMP-IVD-	Hepatitis B			Ag01:	Sandwich Elisa, lateral-flow tests,	GMP-IVD-P030-Tg001-	and detection antibody. Pair recommendation	1
	virus-PreS1	PreS1	Hepatitis B	Recombinant Hepatitis B	and other immunoassays as control	Ab02:	with other Hepatitis B virus-PreS1 (PreS1)	=
P030-Tg001	(HBV-PreS1)			virus-PreS1 (HBV-PreS1)	material in PreS1 level test of	Anti-Hepatitis B virus-PreS1	antibodies in PreS1 level test of Infectious	
				PreS1 Protein	Infectious disease (Hepatitis B) and	(HBV-PreS1) PreS1 mouse	disease (Hepatitis B) and related syndrome	
					related syndrome evaluation.	monoclonal antibody (mAb)	evaluation.	

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Food source pathogenic bacteria resistant

Cat No.	Pathogen Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD- P031-Tg001	NA NA	Food source pathogenic bacteria resistant	GMP-IVD-P031-Tg001- Ag01: Recombinant Food source pathogenic bacteria resistant Protein	Food source pathogenic bacteria resistant antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in Food source pathogenic bacteria resistant level test of Infectious disease (Food source pathogenic bacteria resistant) and related syndrome evaluation.	GMP-IVD-P031-Tg001- Ab01; GMP-IVD-P031-Tg001- Ab02: Anti-Food source pathogenic bacteria resistant mouse monoclonal antibody (mAb)	Food source pathogenic bacteria resistant antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Food source pathogenic bacteria resistant antibodies in Food source pathogenic bacteria resistant level test of Infectious disease (Food source pathogenic bacteria resistant) and related syndrome evaluation.	₩

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Rift Valley Fever (RVF)

Cat N	o. Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order	
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Cat No.	Pathogen Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD- P032-Tg001	Rift Valley nucleoprotein Fever (RVF) (NP)	n Rift Valley Fever	GMP-IVD-P032-Tg001- Ag01: Recombinant Rift Valley Fever (RVF) nucleoprotein (NP) Protein	Rift Valley Fever (nucleoprotein (NP)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in nucleoprotein (NP) level test of Infectious disease(Rift Valley Fever) and related syndrome evaluation.	GMP-IVD-P032-Tg001- Ab01;	Rift Valley Fever (nucleoprotein (NP)) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Rift Valley Fever (nucleoprotein (NP)) antibodies in nucleoprotein (NP) level test of Infectious disease (Rift Valley Fever) and related syndrome evaluation.	,

Epstein-Barr virus (EBV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Epstein-Barr virus (Nuclear Antigen	GMP-IVD-P033-Tg001-	Epstein-Barr virus (Nuclear Antigen (EBNA1);	
					(EBNA1); capsid antigen (EB-VCA))		capsid antigen (EB-VCA)) antigen binding,	
		Nuclear		GMP-IVD-P033-Tg001-	antibodies binding, Immunogen in	GMP-IVD-P033-Tg001-	ELISA validated as capture antibody and	
		Antigen		Ag01:	Sandwich Elisa, lateral-flow tests,and		detection antibody. Pair recommendation with	
GMP-IVD-	Epstein-Barr	(EBNA1);	infectious	Recombinant Epstein-Barr	other immunoassays as control	Anti-Epstein-Barr virus (EBV)	other Epstein-Barr virus (Nuclear Antigen	=
P033-Tg001	virus (EBV)	capsid antigen		virus (EBV) Nuclear Antigen	material in Nuclear Antigen (EBNA1);	Nuclear Antigen (EBNA1);	(EBNA1); capsid antigen (EB-VCA))	
		(EB-VCA)		(EBNA1); capsid antigen	capsid antigen (EB-VCA) level test of	capsid antigen (EB-VCA)	antibodies in Nuclear Antigen (EBNA1);	
				(EB-VCA) Protein	Infectious disease(infectious	mouse monoclonal antibody		
					mononucleosis) and related	(mAb)	Infectious disease (infectious mononucleosis)	
					syndrome evaluation.		and related syndrome evaluation.	

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Epstein-Barr virus-lgA (EBV-lgA)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD- P034-Tg001	Epstein-Barr virus-IgA (EBV-IgA)	NA	infectious mononucleosis	GMP-IVD-P034-Tg001- Ag01: Recombinant Epstein-Barr	Epstein-Barr virus-IgA () antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in level test of Infectious	GMP-IVD-P034-Tg001- Ab01; GMP-IVD-P034-Tg001- Ab02:	Epstein-Barr virus-IgA () antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Epstein-Barr virus-IgA () antibodies in level test of Infectious disease (infectious	h
				virus-IgA (EBV-IgA) Protein	disease(infectious mononucleosis) and related syndrome evaluation.	Anti- mouse monoclonal antibody (mAb)	mononucleosis) and related syndrome evaluation.	

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Vibrio cholerae (V. cholerae)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD- P035-Tg001	Vibrio cholerae (V. cholerae)	cytotoxin B (CtxB)	Cholera	GMP-IVD-P035-Tg001- Ag01: Recombinant Vibrio cholerae (V. cholerae) cytotoxin B (CtxB) Protein	Vibrio cholerae (cytotoxin B (CtxB)) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in cytotoxin B (CtxB) level test of Infectious disease(Cholera) and related syndrome evaluation.	Ab02:	Infectious disease (Cholera) and related	

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Mycobacterium tuberculosis (M. tuberculosis)

Cat No. Pathogen Target Disease Cat No.of Antigen Bioactivity validation of Antigen Cat No.of Antibodies Bioactivity va	dies Order
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Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD- P036-Tg001	Mycobacterium tuberculosis (M. tuberculosis)	M. tb	Tuberculosis (TB)	GMP-IVD-P036-Tg001- Ag01: Recombinant Mycobacterium tuberculosis (M. tuberculosis) M. tb Protein	Mycobacterium tuberculosis (M. tb) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in M. tb level test of Infectious disease(Tuberculosis (TB)) and related syndrome evaluation.	Ab02: Anti-Mycobacterium tuberculosis (M.	Mycobacterium tuberculosis (M. tb) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Mycobacterium tuberculosis (M. tb) antibodies in M. tb level test of Infectious disease (Tuberculosis (TB)) and related syndrome evaluation.	

Cryptosporidium parvum (Cp23)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD- P037-Tg001	Cryptosporidium parvum (Cp23)	Crypto	cryptosporidiosis	GMP-IVD-P037-Tg001- Ag01: Recombinant Cryptosporidium parvum (Cp23) Crypto Protein	Cryptosporidium (Crypto) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in Crypto level test of Infectious disease(cryptosporidiosis) and related syndrome evaluation.	Ab02:	Cryptosporidium (Crypto) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Cryptosporidium (Crypto) antibodies in Crypto level test of Infectious disease (cryptosporidiosis) and related syndrome evaluation.	

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Respiratory syncytial virus (RSV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Respiratory syncytial virus (major	GMP-IVD-P038-Tg001-	Respiratory syncytial virus (major surface	
				GMP-IVD-P038-Tg001-	surface glycoproteins (G and F))	Ab01;	glycoproteins (G and F)) antigen binding,	
				Ag01:	antibodies binding, Immunogen in	GMP-IVD-P038-Tg001-	ELISA validated as capture antibody and	
GMP-IVD-	Respiratory	major surface			Sandwich Elisa, lateral-flow tests,and	Ab02:	detection antibody. Pair recommendation with	1
P038-Tg001	syncytial virus	glycoproteins	cold	syncytial virus (RSV) major	other immunoassays as control	Anti-Respiratory syncytial	other Respiratory syncytial virus (major	₩
l coo igoo.	(RSV)	(G and F)		surface glycoproteins (G and	material in major surface	virus (RSV) major surface	surface glycoproteins (G and F)) antibodies in	1
				F) Protein	glycoproteins (G and F) level test of	glycoproteins (G and F)	major surface glycoproteins (G and F) level	
				,	Infectious disease(cold) and related	mouse monoclonal antibody	test of Infectious disease (cold) and related	
					syndrome evaluation.	(mAb)	syndrome evaluation.	

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Rhinoviruses (RV)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
					Rhinoviruses (VP1 and VP3)	GMP-IVD-P039-Tg001-	Rhinoviruses (VP1 and VP3) antigen binding,	,
				OMP IV/D DOOD T OOA	antibodies binding, Immunogen in	Ab01;	ELISA validated as capture antibody and	
GMP-IVD-	Rhinoviruses			GMP-IVD-P039-Tg001- Ag01:	Sandwich Elisa, lateral-flow tests,and	GMP-IVD-P039-Tg001-	detection antibody. Pair recommendation with	1
		VP1 and VP3	common cold		other immunoassays as control	Ab02:	other Rhinoviruses (VP1 and VP3) antibodies	; 🛒
P039-Tg001	(RV)			Recombinant Rhinoviruses	material in VP1 and VP3 level test of	Anti-Rhinoviruses (RV) VP1	in VP1 and VP3 level test of Infectious	
				(RV) VP1 and VP3 Protein	Infectious disease(common cold) and	and VP3 mouse monoclonal	disease (common cold) and related syndrome)
					related syndrome evaluation.	antibody (mAb)	evaluation.	

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dengue nonstructural 1 (DEN-NS1)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde	r
	_	_					_		

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order								
					dengue nonstructural 1 (nonstructural	GMP-IVD-P040-Tg001-	dengue nonstructural 1 (nonstructural protein	ı								
		dengue nonstructural protein 1 (DEN-NS1) (NS1)	nonetructural	nonstructural	nonstructural	nonstructural						GMP-IVD-P040-Tg001-	protein 1 (NS1)) antibodies binding,	Ab01;	1 (NS1)) antigen binding, ELISA validated as	i
	donguo							Ag01:	Immunogen in Sandwich Elisa,	GMP-IVD-P040-Tg001-	capture antibody and detection antibody. Pair	ſ				
GMP-IVD-			donguo	Recombinant dengue	lateral-flow tests,and other	Ab02:	recommendation with other dengue									
P040-Tg001				dengue	nonstructural 1 (DEN-NS1)	immunoassays as control material in	Anti-dengue nonstructural 1	nonstructural 1 (nonstructural protein 1 (NS1))							
	I (DEN-NOT)			(1131)		nonstructural protein 1 (NS1)	nonstructural protein 1 (NS1) level	(DEN-NS1) nonstructural	antibodies in nonstructural protein 1 (NS1)							
				Protein	test of Infectious disease(dengue)	protein 1 (NS1) mouse	level test of Infectious disease (dengue) and									
					and related syndrome evaluation.	monoclonal antibody (mAb)	related syndrome evaluation.									

Enterovirus 71-lgM (EV71-lgM)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Enterovirus 71-IgM (VP1) antibodies	GMP-IVD-P041-Tg001-	Enterovirus 71-IgM (VP1) antigen binding,	
				GMP-IVD-P041-Tg001-	binding, Immunogen in Sandwich	Ab01;	ELISA validated as capture antibody and	
CMD IV/D	Enterovirus		nourological		Elisa, lateral-flow tests,and other	GMP-IVD-P041-Tg001-	detection antibody. Pair recommendation with	1
GMP-IVD-	71-lgM (EV71-	VP1	neurological	Ag01:	immunoassays as control material in	Ab02:	other Enterovirus 71-IgM (VP1) antibodies in	=
P041-Tg001	IgM)		diseases	Recombinant Enterovirus 71-	VP1 level test of Infectious	Anti-Enterovirus 71-IgM	VP1 level test of Infectious disease	
				IgM (EV71-IgM) VP1 Protein	disease(neurological diseases) and	(EV71-IgM) VP1 mouse	(neurological diseases) and related syndrome	э
					related syndrome evaluation.	monoclonal antibody (mAb)	evaluation.	

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streptolysin O (SLO)

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD- P042-Tg001	streptolysin O (SLO)	streptolysin O	Streptococcus pyogenes infection	Ag01:	streptolysin O (streptolysin O) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in streptolysin O level test of Infectious disease(Streptococcus pyogenes infection) and related syndrome evaluation.	GMP-IVD-P042-Tg001- Ab01; GMP-IVD-P042-Tg001- Ab02: Anti-streptolysin O (SLO) streptolysin O mouse monoclonal antibody (mAb)	streptolysin O (streptolysin O) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other streptolysin O (streptolysin O) antibodies in streptolysin O level test of Infectious disease (Streptococcus pyogenes infection) and related syndrome evaluation.	₩

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Mycoplasma pneumoniae

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
					Mycoplasma pneumoniae P1	CMD IVD D042 Te004	Mycoplasma pneumoniae P1 adhesion	
				CMD IVD D042 T~004	adhesion protein (M-P1-10)	GMP-IVD-P043-Tg001-	protein (M-P1-10) antigen binding, ELISA	
				GMP-IVD-P043-Tg001-	antibodies binding, Immunogen in	Ab01;	validated as capture antibody and detection	
GMP-IVD-	Mycoplasma	M-P1-10	nnoumonia	Ag01: Recombinant Mycoplasma	Sandwich Elisa, lateral-flow tests,and	GMP-IVD-P043-Tg001- Ab02:	antibody. Pair recommendation with other	
P043-Tg001	pneumoniae	IVI-F 1-10	pneumonia	pneumoniae M-P1-10	other immunoassays as control	Anti-Mycoplasma	Mycoplasma pneumoniae P1 adhesion	=
				Protein	material in M-P1-10 level test of		protein (M-P1-10) antibodies in M-P1-10 level	ŧl l
				Flotein	Infectious disease(pneumonia) and	monoclonal antibody (mAb)	test of Infectious disease (pneumonia) and	
					related syndrome evaluation.	monocional antibody (mAb)	related syndrome evaluation.	

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Helicobacter pylori (H. pylori)

Cat No.	Pathogen	Target	Dicasca	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Ordor
Cat NO.	Faillogell	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat NO.01 Alltibodies	Bloactivity validation of Antibodies	Order

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Helicobacter pylori (flagellin A; outer	GMP-IVD-P044-Tg001-	Helicobacter pylori (flagellin A; outer	
				CMD IVD D044 Ta004	membrane protein) antibodies		membrane protein) antigen binding, ELISA	
		G 11: A		GMP-IVD-P044-Tg001-	binding, Immunogen in Sandwich	Ab01;	validated as capture antibody and detection	
014D IV/D	Helicobacter	flagellin A;		Ag01:	Elisa, lateral-flow tests,and other	GMP-IVD-P044-Tg001-	antibody. Pair recommendation with other	
GMP-IVD-	pylori (H.	outer	peptic ulcer and		immunoassays as control material in	Ab02:	Helicobacter pylori (flagellin A; outer	=
P044-Tg001	pylori)	membrane	gastritis	pylori (H. pylori) flagellin A;	flagellin A; outer membrane protein	Anti-Helicobacter pylori (H.	membrane protein) antibodies in flagellin A;	
		protein		outer membrane protein	level test of Infectious disease(peptic	pylori) flagellin A; outer	outer membrane protein level test of	
				Protein	ulcer and gastritis) and related	membrane protein mouse	Infectious disease (peptic ulcer and gastritis)	
					syndrome evaluation.	monoclonal antibody (mAb)	and related syndrome evaluation.	
					Helicobacter pylori flagellin A (FlaA)		,	
					antibodies binding, Immunogen in	GMP-IVD-P044-Tg002-	Helicobacter pylori flagellin A (FlaA) antigen	
				GMP-IVD-P044-Tg002-	Sandwich Elisa, lateral-flow tests,and	Ab01;	binding, ELISA validated as capture antibody	
GMP-IVD-	Helicobacter		pontio ulgar and			GMP-IVD-P044-Tg002-	and detection antibody. Pair recommendation	
	pylori (H.	FlaA	peptic ulcer and	Ag01:	other immunoassays as control	Ab02:	with other Helicobacter pylori flagellin A (FlaA)) 🛒
P044-Tg002	pylori)		gastritis	Recombinant Helicobacter	material in FlaA level test of	Anti-Helicobacter pylori (H.	antibodies in FlaA level test of Infectious	
				pylori (H. pylori) FlaA Protein	Infectious disease(peptic ulcer and	pylori) FlaA mouse	disease (peptic ulcer and gastritis) and related	1
					gastritis) and related syndrome	monoclonal antibody (mAb)	syndrome evaluation.	
					evaluation.	, ,	,	
					Helicobacter pylori flagellin B (FlaB)	GMP-IVD-P044-Tg003-	Helicobacter pylori flagellin B (FlaB) antigen	
					antibodies binding, Immunogen in	Ab01;		
	Hallanka A			GMP-IVD-P044-Tg003-	Sandwich Elisa, lateral-flow tests,and		binding, ELISA validated as capture antibody	
GMP-IVD-	Helicobacter		peptic ulcer and	Ag01:	other immunoassays as control	GMP-IVD-P044-Tg003-	and detection antibody. Pair recommendation	
P044-Tg003	pylori (H.	FlaB	gastritis	Recombinant Helicobacter	material in FlaB level test of	Ab02:	with other Helicobacter pylori flagellin B (FlaB)) 🛒
	pylori)			pylori (H. pylori) FlaB Protein	Infectious disease(peptic ulcer and	Anti-Helicobacter pylori (H.	antibodies in FlaB level test of Infectious	
					gastritis) and related syndrome	pylori) FlaB mouse	disease (peptic ulcer and gastritis) and related	1
					evaluation.	monoclonal antibody (mAb)	syndrome evaluation.	
					Helicobacter pylori vacuolar cytotoxin		Helicobacter pylori vacuolar cytotoxin A (Vac	
					A (Vac A) antibodies binding,	GMP-IVD-P044-Tg004-	A) antigen binding, ELISA validated as	
				GMP-IVD-P044-Tg004-	, ,	Ab01;	, ,	
	Helicobacter			Ag01:	Immunogen in Sandwich Elisa,	GMP-IVD-P044-Tg004-	capture antibody and detection antibody. Pair	
GMP-IVD-	pylori (H.	Vac A	peptic ulcer and	Recombinant Helicobacter	lateral-flow tests,and other	Ab02:	recommendation with other Helicobacter	=
P044-Tg004	pylori)		gastritis	pylori (H. pylori) Vac A	immunoassays as control material in	Anti-Helicobacter pylori (H.	pylori vacuolar cytotoxin A (Vac A) antibodies	
				Protein	Vac A level test of Infectious	pylori) Vac A mouse	in Vac A level test of Infectious disease	
					disease(peptic ulcer and gastritis)	monoclonal antibody (mAb)	(peptic ulcer and gastritis) and related	
					and related syndrome evaluation.	, ,	syndrome evaluation.	
					Helicobacter pylori urease B (Ure B)	GMP-IVD-P044-Tg005-	Helicobacter pylori urease B (Ure B) antigen	
				GMP-IVD-P044-Tg005-	antibodies binding, Immunogen in	Ab01;	binding, ELISA validated as capture antibody	
	l lalianhantau				Sandwich Elisa, lateral-flow tests,and			
GMP-IVD-	Helicobacter		peptic ulcer and	Ag01:	other immunoassays as control	GMP-IVD-P044-Tg005-	and detection antibody. Pair recommendation	
P044-Tg005	pylori (H.	Ure B	gastritis	Recombinant Helicobacter	material in Ure B level test of	Ab02:	with other Helicobacter pylori urease B (Ure	"
	pylori)			pylori (H. pylori) Ure B	Infectious disease(peptic ulcer and		B) antibodies in Ure B level test of Infectious	
				Protein	gastritis) and related syndrome	pylori) Ure B mouse	disease (peptic ulcer and gastritis) and related	Í
					evaluation.	monoclonal antibody (mAb)	syndrome evaluation.	
					Helicobacter pylori heat shock protein		Helicobacter pylori heat shock protein (HSP)	
					(HSP) antibodies binding,	GMP-IVD-P044-Tg006-	antigen binding, ELISA validated as capture	
				GMP-IVD-P044-Tg006-	Immunogen in Sandwich Elisa,	Ab01;	antibody and detection antibody. Pair	
GMP-IVD-	Helicobacter		peptic ulcer and	Ag01:	lateral-flow tests,and other	GMP-IVD-P044-Tg006-	recommendation with other Helicobacter	
P044-Tg006	pylori (H.	HSP		Recombinant Helicobacter	·	Ab02:		=
F044-19000	pylori)		gastritis		immunoassays as control material in	Anti-Helicobacter pylori (H.	pylori heat shock protein (HSP) antibodies in	
				pylori (H. pylori) HSP Protein		pylori) HSP mouse	HSP level test of Infectious disease (peptic	
					disease(peptic ulcer and gastritis)	monoclonal antibody (mAb)	ulcer and gastritis) and related syndrome	
					and related syndrome evaluation.		evaluation.	-
					Helicobacter pylori outer membrane	GMP-IVD-P044-Tg007-	Helicobacter pylori outer membrane protein 1	
				GMP-IVD-P044-Tg007-	protein 1 (OMP-1) antibodies binding,	Ab01;	(OMP-1) antigen binding, ELISA validated as	
	Helicobacter			Ag01:	Immunogen in Sandwich Elisa,	GMP-IVD-P044-Tg007-	capture antibody and detection antibody. Pair	
			peptic ulcer and		lateral-flow tests,and other	Ab02:	recommendation with other Helicobacter	
GMP-IVD-	nylori /⊔			Recomplicant Housessans		MUUZ.		
GMP-IVD- P044-Tg007	pylori (H.	OMP-1	gastritis	Recombinant Helicobacter	immunoassays as control material in		pylori outer membrane protein 1 (OMP-1)	
	pylori (H.	OMP-1	gastritis	pylori (H. pylori) OMP-1	immunoassays as control material in OMP-1 level test of Infectious	Anti-Helicobacter pylori (H.	pylori outer membrane protein 1 (OMP-1) antibodies in OMP-1 level test of Infectious	
		OMP-1	gastritis					I

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD- P044-Tg008	Helicobacter pylori (H. pylori)	OMP-2	peptic ulcer and gastritis	GMP-IVD-P044-Tg008- Ag01: Recombinant Helicobacter pylori (H. pylori) OMP-2 Protein	Helicobacter pylori outer membrane protein 3 (OMP-2) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in OMP-2 level test of Infectious disease(peptic ulcer and gastritis) and related syndrome evaluation.	GMP-IVD-P044-Tg008- Ab01; GMP-IVD-P044-Tg008- Ab02: Anti-Helicobacter pylori (H. pylori) OMP-2 mouse monoclonal antibody (mAb)	Helicobacter pylori outer membrane protein 3 (OMP-2) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Helicobacter pylori outer membrane protein 3 (OMP-2) antibodies in OMP-2 level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	₩.
GMP-IVD- P044-Tg009	Helicobacter pylori (H. pylori)	CagA	peptic ulcer and gastritis	GMP-IVD-P044-Tg009- Ag01: Recombinant Helicobacter pylori (H. pylori) CagA Protein	Helicobacter pylori cytotoxin-related protein A (CagA) antibodies binding, Immunogen in Sandwich Elisa, Iateral-flow tests,and other immunoassays as control material in CagA level test of Infectious disease(peptic ulcer and gastritis) and related syndrome evaluation.	GMP-IVD-P044-Tg009- Ab01; GMP-IVD-P044-Tg009- Ab02: Anti-Helicobacter pylori (H. pylori) CagA mouse monoclonal antibody (mAb)	Helicobacter pylori cytotoxin-related protein A (CagA) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Helicobacter pylori cytotoxin-related protein A (CagA) antibodies in CagA level test of Infectious disease (peptic ulcer and gastritis) and related syndrome evaluation.	₩

PrP

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-IVD- P045-Tg001	NA	PrP	Transmissible spongiform encephalopathies	GMP-IVD-P045-Tg001- Ag01: Recombinant PrP Protein	Prion (PrP) antibodies binding, Immunogen in Sandwich Elisa, Iateral-flow tests,and other immunoassays as control material in PrP level test of Infectious disease(Transmissible spongiform encephalopathies) and related syndrome evaluation.	GMP-IVD-P045-Tg001- Ab01; GMP-IVD-P045-Tg001- Ab02: Anti-PrP mouse monoclonal antibody (mAb)	Prion (PrP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Prion (PrP) antibodies in PrP level test of Infectious disease (Transmissible spongiform encephalopathies) and related syndrome evaluation.	₩

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STDs

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
					Sexually transmitted diseases (STDs)			
							Sexually transmitted diseases (STDs) antigen	1
					antibodies binding, Immunogen in	GMP-IVD-P046-Tg001-	hinding CLICA validated as conture entitledy	
					Sandwich Elisa, lateral-flow tests,and	Ab01;	binding, ELISA validated as capture antibody	
			Sexually	GMP-IVD-P046-Tg001-	Carravion Elica, lateral new toole, and	7,501,	and detection antibody. Pair recommendation	1
GMP-IVD-					other immunoassays as control	GMP-IVD-P046-Tg001-		
D046 T004	NA	STDs	transmitted	Ag01:	made sighting OTDs become at a f	A I- 00:	with other Sexually transmitted diseases	=
P046-Tg001			diseases	Recombinant STDs Protein	material in STDs level test of	Ab02:	(STDs) antibodies in STDs level test of	
			discases	recombinant or bar rotein	Infectious disease(Sexually	Anti-STDs mouse	(OTD3) antibodies in OTD3 level test of	
					,		Infectious disease (Sexually transmitted	
					transmitted diseases) and related	monoclonal antibody (mAb)		
					syndrome evaluation.		diseases) and related syndrome evaluation.	

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ARTI

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					acute respiratory infectious diseases		acute respiratory infectious diseases (ARTI)	
					(ARTI) antibodies binding,		,	
					Immunogen in Sandwich Elisa,	GMP-IVD-P047-Tg001-	antigen binding, ELISA validated as capture	
			acute respiratory	GMP-IVD-P047-Tg001-	lateral-flow tests,and other	Ab01;	antibody and detection antibody. Pair	
GMP-IVD-				<u> </u>	·	GMP-IVD-P047-Tg001-	recommendation with other acute respiratory	
P047-Tg001	NA	ARTI	infectious	Ag01:	immunoassays as control material in	Ab02:	infectious diseases (ARTI) antibodies in ARTI	l ≝
			diseases	Recombinant ARTI Protein	ARTI level test of Infectious	Anti-ARTI mouse monoclonal	level test of Infectious disease (acute	
					disease(acute respiratory infectious		,	
					diseases) and related syndrome	antibody (mAb)	respiratory infectious diseases) and related	
					evaluation.		syndrome evaluation.	

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Nucleocapsid

Cat No.	Pathogen	Target	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Nucleocapsid protein (Nucleocapsid)			
							Nucleocapsid protein (Nucleocapsid) antigen	
					antibodies binding, Immunogen in	GMP-IVD-P048-Tg001-	binding, ELISA validated as capture antibody	,
				GMP-IVD-P048-Tg001-	Sandwich Elisa, lateral-flow tests,and	Ab01;	billiding, ELISA validated as capture antibody	
						7.201,	and detection antibody. Pair recommendation	i
GMP-IVD-			Nucleocapsid	Ag01:	other immunoassays as control	GMP-IVD-P048-Tg001-		
D040 Ta004	NA	Nucleocapsid	protoin	Decembinant Nucleasancid	material in Nuclea cancid level test of	A 500.	with other Nucleocapsid protein	#
P049-Tg001			protein	Recombinant Nucleocapsid	material in Nucleocapsid level test of	Ab02:	(Nucleocapsid) antibodies in Nucleocapsid	
				Protein	Infectious disease(Nucleocapsid	Anti-Nucleocapsid mouse	(Hadioodapoia) anaboaido in Hadioodapoia	
						·	level test of Infectious disease (Nucleocapsid	.
					protein) and related syndrome	monoclonal antibody (mAb)		
					evaluation.		protein) and related syndrome evaluation.	
					evaluation.			

Diagnostic antibodies and antigens for Inflammation/autoimmune/inflammatory diseases testing-IL-6, PCT, CRP, SAA, IFNγ, AQP4, HBP, MOG, S100-A9, TPO, SAA1, TNFα

Inflammation/autoimmune/inflammatory diseases occur when the immune system attacks the normal tissue within joints, vasculature, and other organ systems, causing inflammation, pain, diminished mobility, fatigue, and other non-specific symptoms. The strong overlap of signs and symptoms among the autoimmune diseases can lead to delays in diagnosis and appropriate treatment. However, immunodiagnostics has been developed to detect the inflammation/autoimmune/inflammatory disease such as ankylosing spondylitis, bacterial infections, bacterial meningitis, cerebrovascular diseases, crohn's disease, fungal infection, graves' disease, inflammatory amyloidosis, inflammatory bowel disease, mog antibody disease, osteomyelitis, rheumatoid arthritis, sepsis, respiratory illnesses and so on at an early stage. Biomarkers have been developed to detect this autoimmune disease at an early stage. Detecting the quantity of marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification:	IL-6	PCT	CRP	SAA	IFNΓ	AQP4	НВР	MOG	S100-A9	TPO	SAA1	TNFA	MPA	ССР

Interleukin 6 (IL-6)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-IL-6	Human	Interleukin 6 (IL-6)	systemic juvenile idiopathic arthritis, systemic lupus erythematosus, ankylosing spondylitis, psoriasis and Crohn's disease.	GMP-h-IL-6-Ag01: Recombinant human IL-6 Protein	Interleukin 6 (IL-6) antibodies binding, Immunogen in Sandwich Elisa, lateral- flow tests,and other immunoassays as control material in IL-6 level test of Inflammation/autoimmune/inflammatory disease(systemic juvenile idiopathic arthritis, systemic lupus erythematosus, ankylosing spondylitis, psoriasis and Crohn's disease.) and related syndrome evaluation.	Anti-human IL-6 mouse	Human Interleukin 6 (IL-6) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Interleukin 6 (IL-6) antibodies in IL-6 level test of Inflammation/autoimmune/inflammatory disease (systemic juvenile idiopathic arthritis, systemic lupus erythematosus, ankylosing spondylitis, psoriasis and Crohn's disease.) and related syndrome evaluation.	#

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procalcitonin (PCT)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
GMP-h-PCT	Human	procalcitonin (PCT)	Sepsis; Respiratory illnesses; bacterial meningitis and etc.	GMP-h-PCT-Ag01: Recombinant human PCT Protein	procalcitonin (PCT) antibodies binding, Immunogen in Sandwich Elisa, lateral- flow tests,and other immunoassays as control material in PCT level test of Inflammation/autoimmune/inflammatory disease(Sepsis; Respiratory illnesses; bacterial meningitis and etc.) and	GMP-h-PCT-Ab01; GMP-h-PCT-Ab02: Anti-human PCT mouse	Human procalcitonin (PCT) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other procalcitonin (PCT) antibodies in PCT level test of Inflammation/autoimmune/inflammatory disease (Sepsis; Respiratory illnesses;	
			cio.		related syndrome evaluation.		bacterial meningitis and etc.) and related syndrome evaluation.	

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C-Reactive Protein (CRP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					C-Reactive Protein (CRP) antibodies		Human C-Reactive Protein (CRP) antigen	
			Bacterial		binding, Immunogen in Sandwich Elisa,		binding, ELISA validated as capture antibody	
			infections, sepsis,		lateral-flow tests,and other		and detection antibody. Pair recommendation	ı
			fungal infection,		immunoassays as control material in	GMP-h-CRP-Ab01;	with other C-Reactive Protein (CRP)	
		C-Reactive	Inflammatory	GMP-h-CRP-Ag01:	CRP level test of	GMP-h-CRP-Ab02:	antibodies in CRP level test of	
GMP-h-CRP	Human	Protein (CRP)	bowel disease,	Recombinant human CRP	Inflammation/autoimmune/inflammatory		Inflammation/autoimmune/inflammatory	₩
		r rotein (orti)	autoimmune,	Protein	disease(Bacterial infections, sepsis,	monoclonal antibody(mAb)	disease (Bacterial infections, sepsis, fungal	
			cancer and etc		fungal infection, Inflammatory bowel	monocional antibody(m/xb)	infection, Inflammatory bowel disease,	
			disorder,		disease, autoimmune, cancer and etc		autoimmune, cancer and etc disorder,	
			osteomyelitis		disorder, osteomyelitis) and related		osteomyelitis) and related syndrome	
					syndrome evaluation.		evaluation.	

Serum Amyloid A (SAA)

Cat No.	Species Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-SAA	Serum Human Amyloid A (SAA)	Rheumatoid arthritis, inflammatory bowel disease (Crohn's disease, ulcerative colitis), and chronic infections	Protein	Serum Amyloid A (SAA) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in SAA level test of Inflammation/autoimmune/inflammatory disease(Rheumatoid arthritis, inflammatory bowel disease (Crohn's disease, ulcerative colitis), and chronic infections) and related syndrome evaluation.	GMP-h-SAA-Ab01; GMP-h-SAA-Ab02: Anti-human SAA mouse monoclonal antibody(mAb)	Human Serum Amyloid A (SAA) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Serum Amyloid A (SAA) antibodies in SAA level test of Inflammation/autoimmune/inflammatory disease (Rheumatoid arthritis, inflammatory bowel disease (Crohn's disease, ulcerative colitis), and chronic infections) and related syndrome evaluation.	

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Interferon gamma (IFNγ)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-IFNγ	Human	Interferon gamma (IFNγ)	inflamation, autoimmune	GMP-h-IFNγ-Ag01: Recombinant human IFNγ	Interferon gamma (IFNy) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in IFNy level test of Inflammation/autoimmune/inflammatory disease(inflamation, autoimmune disease) and related syndrome evaluation.	GMP-h-IFNγ-Ab01;	Human Interferon gamma (IFNγ) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Interferon gamma (IFNγ) antibodies in IFNγ level test of Inflammation/autoimmune/inflammatory disease (inflamation, autoimmune disease) and related syndrome evaluation.	7

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aquaporin-4 (AQP4)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					aquaporin-4 (AQP4) antibodies		Human aquaporin-4 (AQP4) antigen binding,	,
					binding, Immunogen in Sandwich Elisa,	GMP-h-AQP4-Ab01;	ELISA validated as capture antibody and	
				GMP-h-AQP4-Ag01:	lateral-flow tests,and other	GMP-h-AQP4-Ab02:	detection antibody. Pair recommendation	
GMP-h-	Human	aquaporin-4	Cerebrovascular diseases	Recombinant human	immunoassays as control material in	Anti-human AQP4 mouse	with other aquaporin-4 (AQP4) antibodies in	
AQP4	Tullian	(AQP4)	Cerebrovascular diseases	AQP4 Protein	AQP4 level test of	monoclonal	AQP4 level test of	=
				AQF4 FIOLEIII	Inflammation/autoimmune/inflammatory		Inflammation/autoimmune/inflammatory	
					disease(Cerebrovascular diseases)	antibody(mAb)	disease (Cerebrovascular diseases) and	
					and related syndrome evaluation.		related syndrome evaluation.	

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Heparin-binding protein (HBP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order	٢
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Heparin-binding protein (HBP)		Human Heparin-binding protein (HBP)	
					antibodies binding, Immunogen in		antigen binding, ELISA validated as capture	:
					Sandwich Elisa, lateral-flow tests,and	GMP-h-HBP-Ab01;	antibody and detection antibody. Pair	
		Heparin- i Human binding	inflammation/autoimmune	GMP-h-HBP-Ag01:	other immunoassays as control	GMP-h-HBP-Ab02:	recommendation with other Heparin-binding	
GMP-h-HBP	Human			Recombinant human HBP	material in HBP level test of	Anti-human HBP mouse	protein (HBP) antibodies in HBP level test of	i 🛒
		protein (HBP)		Protein	Inflammation/autoimmune/inflammatory	monoclonal	Inflammation/autoimmune/inflammatory	
					disease(inflammation/autoimmune/	antibody(mAb)	disease (inflammation/autoimmune/	
					inflammatory disease) and related		inflammatory disease) and related syndrome	÷
					syndrome evaluation.		evaluation.	

myelin oligodendrocyte glycoprotein (MOG)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					myelin oligodendrocyte glycoprotein (MOG) antibodies binding, Immunogen		Human myelin oligodendrocyte glycoprotein (MOG) antigen binding, ELISA validated as	
		myelin		GMP-h-MOG-Ag01:	in Sandwich Elisa, lateral-flow	GMP-h-MOG-Ab01;	capture antibody and detection antibody. Pair recommendation with other myelin	
GMP-h-MOG		oligodendrocyte glycoprotein	MOG antibody disease		tests,and other immunoassays as control material in MOG level test of	GMP-h-MOG-Ab02: Anti-human MOG mouse	oligodendrocyte glycoprotein (MOG)	=
		(MOG)		Protein	Inflammation/autoimmune/inflammatory	monoclonal antibody(mAb)	antibodies in MOG level test of Inflammation/autoimmune/inflammatory	
					disease(MOG antibody disease) and		disease (MOG antibody disease) and related	
					related syndrome evaluation.		syndrome evaluation.	

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Calprotectin heavy chain (S100-A9)

	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-S100- A9	Human	Calprotectin heavy chain (S100-A9)	inflammatory bowel disease	GMP-h-S100-A9-Ag01: Recombinant human S100- A9 Protein	Calprotectin heavy chain (S100-A9) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control	GMP-h-S100-A9-Ab01; GMP-h-S100-A9-Ab02: Anti-human S100-A9 mouse	Human Calprotectin heavy chain (S100-A9) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Calprotectin heavy chain (S100-A9) antibodies in S100-A9	

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Thyroid peroxidase (TPO)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Thyroid peroxidase (TPO) antibodies			
					binding, Immunogen in Sandwich Elisa,		Human Thyroid peroxidase (TPO) antigen	
							binding, ELISA validated as capture antibody	,
					lateral-flow tests,and other	GMP-h-TPO-Ab01;	and detection antibody. Pair recommendation	1
		Thyroid	Hashimoto's	GMP-h-TPO-Ag01:	immunoassays as control material in	,	·	
MP-h-TPO	Human	peroxidase	disease or	Recombinant human TPO	TPO level test of	GMP-h-TPO-Ab02:	with other Thyroid peroxidase (TPO)	=
		(TPO)	Graves' disease	Protein	Inflammation/autoimmune/inflammatory	Anti-human TPO mouse	antibodies in TPO level test of	
		(11-0)	Graves disease	Floteill		monoclonal antibody(mAb)	Inflammation/autoimmune/inflammatory	
					disease(Hashimoto's disease or		disease (Hashimoto's disease or Graves'	
					Graves' disease) and related syndrome		,	
					evaluation.		disease) and related syndrome evaluation.	

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Serum Amyloid A1 (SAA1)

	Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde	r
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
		Serum Amyloid A1 (SAA1)	Amyloid A1 Inflammatory amyloidosis	GMP-h-SAA1-Ag01: Recombinant human SAA1 Protein	Serum Amyloid A1 (SAA1) antibodies		Human Serum Amyloid A1 (SAA1) antigen	
	Human				binding, Immunogen in Sandwich Elisa,		binding, ELISA validated as capture antibody	,
GMP-h-SAA1					lateral-flow tests,and other	GMP-h-SAA1-Ab01;	and detection antibody. Pair recommendation	1
					immunoassays as control material in	GMP-h-SAA1-Ab02:	with other Serum Amyloid A1 (SAA1)	
GIVIF-II-SAAT					SAA1 level test of	Anti-human SAA1 mouse	antibodies in SAA1 level test of	=
					Inflammation/autoimmune/inflammatory	monoclonal antibody(mAb)	Inflammation/autoimmune/inflammatory	
					disease(Inflammatory amyloidosis) and		disease (Inflammatory amyloidosis) and	
					related syndrome evaluation.		related syndrome evaluation.	

tumor necrosis factor alpha (TNFα)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-TNFα	Human	tumor necrosis factor alpha (TNFα)	rheumatoid arthritis, ankylosing spondylitis, and Crohn's disease	Protein	tumor necrosis factor alpha (TNFα) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in TNFα level test of Inflammation/autoimmune/inflammatory disease(rheumatoid arthritis, ankylosing spondylitis, and Crohn's disease) and related syndrome evaluation.	GMP-h-TNFα-Ab01; GMP-h-TNFα-Ab02: Anti-human TNFα mouse monoclonal antibody(mAb)	Human tumor necrosis factor alpha (TNFα) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other tumor necrosis factor alpha (TNFα) antibodies in TNFα level test of Inflammation/autoimmune/inflammatory disease (rheumatoid arthritis, ankylosing spondylitis, and Crohn's disease) and related syndrome evaluation.	y

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mycophenolic acid (MPA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-MPA	Species	Biomarker mycophenolic acid (MPA)		Cat No.of Antigen GMP-SMT-MPA-Ag01: BSA-mycophenolic acid (MPA); GMP-SMT-MPA-Ag02: OVA-mycophenolic acid (MPA)	Bioactivity validation of Antigen Competitive immunoassay-validated hapten- carrier conjugates [BSA-&OVA- mycophenolic acid (MPA)], mycophenolic acid (MPA) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in MPA level test of Inflammation/autoimmune/inflammatory	GMP-SMT-MPA-Ab01: Anti-mycophenolic acid (MPA) mouse monoclonal antibody(mAb)	Human mycophenolic acid (MPA) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in MPA level test of Inflammation/autoimmune/inflammatory disease (autoimmune disease) and	#
					disease (autoimmune disease) and related syndrome evaluation.		related syndrome evaluation.	

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cyclic citrullinated peptide (CCP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
GMP-SMT-					Competitive immunoassay-validated hapten-			
					carrier conjugates [BSA-&OVA-cyclic		Human cyclic citrullinated peptide	
				GMP-SMT-CCP-Ag01:	citrullinated peptide (CCP)], cyclic citrullinated		(CCP) binding, in Competitive	
		cyclic citrullinated peptide (CCP)		BSA-cyclic citrullinated	peptide (CCP) antibodies binding, Immunogen	GMP-SMT-CCP-Ab01:	immunoassay validation, Elisa, lateral-	-
	Human			rheumatoid	peptide (CCP);	in Competitive immunoassay validation, Elisa,	Anti-cyclic citrullinated	flow tests, and other immunoassays in
CCP			arthritis	GMP-SMT-CCP-Ag02:	lateral-flow tests,and other immunoassays as	peptide (CCP) mouse	CCP level test of	=
		peptide (CCF)		OVA-cyclic citrullinated	control material in CCP level test of	monoclonal antibody(mAb)	Inflammation/autoimmune/inflammatory	y
				peptide (CCP)	Inflammation/autoimmune/inflammatory		disease (rheumatoid arthritis) and	
					disease (rheumatoid arthritis) and related		related syndrome evaluation.	
					syndrome evaluation.			

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Diagnostic antibodies and antigens for cardiovascular diseases biomarkers testing

Cardiovascular diseases are a group of disorders that occur in the heart and blood vessels and are the world's leading cause of death. In vitro diagnostic (IVD) assays for detecting cardiac markers are essential tools to help treat or prevent CVD. Several protein markers are released into the blood when the heart is damaged or stressed. These protein markers support diagnosis of conditions including coronary heart disease, cerebrovascular disease, and deep vein thrombosis to guide therapeutic intervention. Several cardiovascular diseases such as hypertension, coronary artery stenosis, intrinsic cardiac dysfunction, acute ischemic myocardial injury, acute myocardial infarction, angiogenesis, artery lesions, atherosclerosis, blood pressure, congestive heart failure, Deep vein thrombosis (DVT), heart failure, hypertrophic cardiomyopathy, myocardial infarction, renal artery stenosis, restrictive and dilated cardiomyopathy, vascular inflammation and so on have been identified using specific marker. Detecting the quantity of marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.



Myeloperoxidase (MPO)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Myeloperoxidase (MPO) antibodies		Human Myeloperoxidase (MPO) antigen	
					binding, Immunogen in Sandwich	GMP-h-MPO-Ab01;	binding, ELISA validated as capture antibody	/
		Myeloperoxidase	vascular	GMP-h-MPO-Ag01:	Elisa, lateral-flow tests,and other	GMP-h-MPO-Ab02:	and detection antibody. Pair recommendation	1
GMP-h-MPO	Human	(MPO)	inflammation	Recombinant human MPO	immunoassays as control material in		with other Myeloperoxidase (MPO) antibodies	s 🛒
		(5)		Protein	MPO level test of Cardiovascular	monoclonal antibody(mAb)	in MPO level test of Cardiovascular disease	
					disease(vascular inflammation) and		(vascular inflammation) and related syndrome	е
					related syndrome evaluation.		evaluation.	

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matrix metalloproteinase-3 (MMP3)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order	
		matrix cancer, asthmatic uman metalloproteinase- and rheumatoi 3 (MMP3) arthritis			matrix metalloproteinase-3 (MMP3)		Human matrix metalloproteinase-3 (MMP3)		
					antibodies binding, Immunogen in		antigen binding, ELISA validated as capture		
			metalloproteinase- and rheumato	aanaar aathma	Recombinant human MMP3	Sandwich Elisa, lateral-flow	GMP-h-MMP3-Ab01;	antibody and detection antibody. Pair	
GMP-h-	Lluman			·		tests,and other immunoassays as	GMP-h-MMP3-Ab02:	recommendation with other matrix	
MMP3	Human					control material in MMP3 level test of	Anti-human MMP3 mouse	metalloproteinase-3 (MMP3) antibodies in	=
			arumus	Protein	Cardiovascular disease(cancer,	monoclonal antibody(mAb)	MMP3 level test of Cardiovascular disease		
					asthma and rheumatoid arthritis) and		(cancer, asthma and rheumatoid arthritis)		
					related syndrome evaluation.		and related syndrome evaluation.		

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Growth differentiation factor-15 (GDF-15)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Growth differentiation factor-15 (GDF-		Human Growth differentiation factor-15 (GDF-	
			pressure		15) antibodies binding, Immunogen in		15) antigen binding, ELISA validated as	
		Growth	overload,		Sandwich Elisa, lateral-flow tests,and	GMP-h-GDF-15-Ab01;	capture antibody and detection antibody. Pair	
GMP-h-GDF-		differentiation	myocardial	GMP-h-GDF-15-Ag01:	other immunoassays as control	GMP-h-GDF-15-Ab02:	recommendation with other Growth	
15	Human	factor-15	infarction, heart	Recombinant human GDF-	material in GDF-15 level test of	Anti-human GDF-15 mouse	differentiation factor-15 (GDF-15) antibodies	₩
		(GDF-15)	failure, and	15 Protein	Cardiovascular disease(pressure	monoclonal antibody(mAb)	in GDF-15 level test of Cardiovascular	
			atherosclerosis		overload, myocardial infarction, heart		disease (pressure overload, myocardial	
					failure, and atherosclerosis) and		infarction, heart failure, and atherosclerosis)	
					related syndrome evaluation.		and related syndrome evaluation.	

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Creatine Kinase MB (CK-MB)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CK- MB	Human	Creatine Kinase MB (CK-MB)	Myocardial hypoxia	GMP-h-CK-MB-Ag01: Recombinant human CK-MB Protein	Creatine Kinase MB (CK-MB) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in CK-MB level test of Cardiovascular disease(Myocardial hypoxia) and related syndrome evaluation.	GMP-h-CK-MB-Ab01; GMP-h-CK-MB-Ab02: Anti-human CK-MB mouse monoclonal antibody(mAb)	Human Creatine Kinase MB (CK-MB) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Creatine Kinase MB (CK-MB) antibodies in CK-MB level test of Cardiovascular disease (Myocardial hypoxia) and related syndrome evaluation.	₩

Myoglobin (Myo)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Myoglobin (Myo) antibodies binding,			
					Immunogen in Sandwich Elisa,		Human Myoglobin (Myo) antigen binding,	
					lateral-flow tests,and other	GMP-h-Myo-Ab01;	ELISA validated as capture antibody and	
		Myoglobin	acute ischemic	GMP-h-Myo-Ag01:	immunoassays as control material in	GMP-h-Myo-Ab02:	detection antibody. Pair recommendation with	
GMP-h-Myo	Human	(Myo)	myocardial	Recombinant human Myo	Myo level test of Cardiovascular	Anti-human Myo mouse	other Myoglobin (Myo) antibodies in Myo level	=
			injury	Protein	disease(acute ischemic myocardial	monoclonal antibody(mAb)	test of Cardiovascular disease (acute	
					injury) and related syndrome	monocional anabody(m/tb)	ischemic myocardial injury) and related	
					,		syndrome evaluation.	
					evaluation.			

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soluble ST2 (sST2)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-sST2	Human	soluble ST2 (sST2)	chronic and acute heart failure	GMP-h-sST2-Ag01: Recombinant human sST2 Protein	soluble ST2 (sST2) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in sST2 level test of Cardiovascular disease(chronic and acute heart failure) and related syndrome evaluation.	GMP-h-sST2-Ab02: Anti-human sST2 mouse monoclonal antibody(mAb)	Human soluble ST2 (sST2) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other soluble ST2 (sST2) antibodies in sST2 level test of Cardiovascular disease (chronic and acute heart failure) and related syndrome evaluation.	n ₩

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creatine kinase myocardial band (CKMB)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
	3 Human			Recombinant human CKMB	creatine kinase myocardial band		Human creatine kinase myocardial band	
					(CKMB) antibodies binding,		(CKMB) antigen binding, ELISA validated as	
		creatine			Immunogen in Sandwich Elisa,	GMP-h-CKMB-Ab01;	capture antibody and detection antibody. Pair	
CMD b CKMD		kinase	acute myocardial		lateral-flow tests,and other	GMP-h-CKMB-Ab02:	recommendation with other creatine kinase	_
GMP-h-CKMB		myocardial			immunoassays as control material in	Anti-human CKMB mouse	myocardial band (CKMB) antibodies in CKMB	3
		band (CKMB)		Protein	CKMB level test of Cardiovascular	monoclonal antibody(mAb)	level test of Cardiovascular disease	
					disease(acute myocardial infarction)		(acute myocardial infarction) and related	
					and related syndrome evaluation.		syndrome evaluation.	

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N-terminal prohormone of brain natriuretic peptide (NT-proBNP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					N-terminal prohormone of brain		Human N-terminal prohormone of brain	
		N-terminal			natriuretic peptide (NT-proBNP)		natriuretic peptide (NT-proBNP) antigen	
		prohormone of			antibodies binding, Immunogen in	GMP-h-NT-proBNP-Ab01;	binding, ELISA validated as capture antibody	<i>,</i>
GMP-h-NT-			congestive heart	GMP-h-NT-proBNP-Ag01:	Sandwich Elisa, lateral-flow tests,and	GMP-h-NT-proBNP-Ab02:	and detection antibody. Pair recommendation	1
proBNP	Human	natriuretic	failure	Recombinant human NT-	other immunoassays as control	Anti-human NT-proBNP	with other N-terminal prohormone of brain	=
ргоди		peptide (NT-	Tallaro	proBNP Protein	material in NT-proBNP level test of	mouse monoclonal	natriuretic peptide (NT-proBNP) antibodies in	1
		proBNP)			Cardiovascular disease(congestive	antibody(mAb)	NT-proBNP level test of Cardiovascular	
		рговит)			heart failure) and related syndrome		disease (congestive heart failure) and related	b
					evaluation.		syndrome evaluation.	

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cardiac troponin T (cTnT)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
Cat NO.	Opecies	Diomarker	Discase	Cat No.01 Antigen	bloactivity validation of Antigen	Cat No.01 Antibodies	Bloactivity validation of Antibodies	Order

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					cardiac troponin T (cTnT) antibodies		Human cardiac troponin T (cTnT) antigen	
					binding, Immunogen in Sandwich		binding, ELISA validated as capture antibody	
			hypertrophic		Elisa, lateral-flow tests,and other	GMP-h-cTnT-Ab01;	and detection antibody. Pair recommendation	
		cardiac	cardiomyopathy,	GMP-h-cTnT-Ag01:	immunoassays as control material in		with other cardiac troponin T (cTnT)	
GMP-h-cTnT	Human	troponin T	restrictive and	Recombinant human cTnT	cTnT level test of Cardiovascular		antibodies in cTnT level test of Cardiovascular	r 🛒
		(cTnT)	dilated	Protein	disease(hypertrophic	monoclonal antibody(mAb)	disease (hypertrophic cardiomyopathy,	
			cardiomyopathy.		cardiomyopathy, restrictive and	monodonal anabody(m/ tb)	restrictive and dilated cardiomyopathy.) and	
					dilated cardiomyopathy.) and related		related syndrome evaluation.	
					syndrome evaluation.		Totatou syriatorne evaluation.	

Cardiac troponin I (cTnI)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Cardiac troponin I (cTnI) antibodies		Human Cardiac troponin I (cTnI) antigen	
					binding, Immunogen in Sandwich	GMP-h-cTnl-Ab01;	binding, ELISA validated as capture antibody	
		Cardiac	myocardial	GMP-h-cTnl-Ag01:	Elisa, lateral-flow tests,and other	GMP-h-cTnl-Ab02:	and detection antibody. Pair recommendation	ı
GMP-h-cTnI	Human	troponin I	infarction	Recombinant human cTnI	immunoassays as control material in		with other Cardiac troponin I (cTnI) antibodies	; 🛒
		(cTnI)	marodon	Protein	cTnl level test of Cardiovascular	monoclonal antibody(mAb)	in cTnl level test of Cardiovascular disease (
					disease(myocardial infarction) and	monocional antibody(m/xb)	myocardial infarction) and related syndrome	
					related syndrome evaluation.		evaluation.	

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Heart-type Fatty Acid-Binding Protein (H-FABP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Heart-type Fatty Acid-Binding Protein		Human Heart-type Fatty Acid-Binding Protein	١
		Heart-type			(H-FABP) antibodies binding,		(H-FABP) antigen binding, ELISA validated as	s
				GMP-h-H-FABP-Ag01:	Immunogen in Sandwich Elisa,	GMP-h-H-FABP-Ab01;	capture antibody and detection antibody. Pair	r
GMP-h-H-	Human	Binding	myocardial		lateral-flow tests,and other	GMP-h-H-FABP-Ab02:	recommendation with other Heart-type Fatty	,
FABP			injury		immunoassays as control material in	Anti-human H-FABP mouse	Acid-Binding Protein (H-FABP) antibodies in	=
		,		FADP PIOLEIII	H-FABP level test of Cardiovascular	monoclonal antibody(mAb)	H-FABP level test of Cardiovascular disease	:
		FABP)			disease(myocardial injury) and		(myocardial injury) and related syndrome	
					related syndrome evaluation.		evaluation.	

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D dimer (D-Dimer)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					D dimer (D-Dimer) antibodies		Human D dimer (D-Dimer) antigen binding,	
					binding, Immunogen in Sandwich	GMP-h-D-Dimer-Ab01;	ELISA validated as capture antibody and	
GMP-h-D-		D dimer (D-	Deep vein	GMP-h-D-Dimer-Ag01:	Elisa, lateral-flow tests,and other		detection antibody. Pair recommendation with	1
Dimer	Human	Dimer)	thrombosis	Recombinant human D-	immunoassays as control material in	Anti-human D-Dimer mouse	other D dimer (D-Dimer) antibodies in D-	₩
Dilliel		Diffier)	(DVT)	Dimer Protein	D-Dimer level test of Cardiovascular	monoclonal antibody(mAb)	Dimer level test of Cardiovascular disease	
					disease(Deep vein thrombosis (DVT))		(Deep vein thrombosis (DVT)) and related	
					and related syndrome evaluation.		syndrome evaluation.	

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Digoxigenin (Dig)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
					Digoxigenin (Dig) antibodies binding,		Human Digoxigenin (Dig) antigen binding,	
					Immunogen in Sandwich Elisa,	GMP-h-Dig-Ab01;	ELISA validated as capture antibody and	
		Digoxigenin		GMP-h-Dig-Ag01:	lateral-flow tests,and other	GMP-h-Dig-Ab02:	detection antibody. Pair recommendation with	1
GMP-h-Dig	Human	(Dig)	NA	Recombinant human Dig	immunoassays as control material in	Anti-human Dig mouse	other Digoxigenin (Dig) antibodies in Dig level	4
				Protein		monoclonal antibody(mAb)	test of Cardiovascular disease () and related	
					disease() and related syndrome evaluation.		syndrome evaluation.	

Apolipoprotein A (ApoA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Apolipoprotein A (ApoA) antibodies		Human Apolipoprotein A (ApoA) antigen	
					binding, Immunogen in Sandwich	GMP-h-ApoA-Ab01;	binding, ELISA validated as capture antibody	
		Analinaprotain	Cardiovascular	GMP-h-ApoA-Ag01:	Elisa, lateral-flow tests,and other	GMP-h-ApoA-Ab02:	and detection antibody. Pair recommendation	
GMP-h-ApoA	Human			Recombinant human ApoA	immunoassays as control material in	•	with other Apolipoprotein A (ApoA) antibodies	=
		A (ApoA)	Disease	Protein	ApoA level test of Cardiovascular	Anti-human ApoA mouse	in ApoA level test of Cardiovascular disease	
					disease(Cardiovascular Disease) and	monoclonal antibody(mAb)	(Cardiovascular Disease) and related	
					related syndrome evaluation.		syndrome evaluation.	

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Apolipoprotein E (ApoE)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Apolipoprotein E (ApoE) antibodies		Human Apolipoprotein E (ApoE) antigen	
					binding, Immunogen in Sandwich		binding, ELISA validated as capture antibody	
		A malimammatain	Candiavaaavlan	GMP-h-ApoE-Ag01:	Elisa, lateral-flow tests,and other	GMP-h-ApoE-Ab01;	and detection antibody. Pair recommendation	ı
GMP-h-ApoE	Human	• • •	Cardiovascular	Recombinant human ApoE	immunoassays as control material in		with other Apolipoprotein E (ApoE) antibodies	; 🛒
		E (ApoE)	Disease	Protein	ApoE level test of Cardiovascular	Anti-human ApoE mouse	in ApoE level test of Cardiovascular disease	
					disease(Cardiovascular Disease) and	monoclonal antibody(mAb)	(Cardiovascular Disease) and related	
					related syndrome evaluation.		syndrome evaluation.	

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B-type natriuretic peptide (BNP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-BNP	Human	B-type natriuretic	Cardiovascular Disease	GMP-h-BNP-Ag01: Recombinant human BNP	B-type natriuretic peptide (BNP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in BNP level test of		Human B-type natriuretic peptide (BNP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other B-type natriuretic	
		peptide (BNP)		Protein	Cardiovascular disease(Cardiovascular Disease) and related syndrome evaluation.	monoclonal antibody(mAb)	peptide (BNP) antibodies in BNP level test of Cardiovascular disease (Cardiovascular Disease) and related syndrome evaluation.	f

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pro B-type natriuretic peptide (proBNP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					pro B-type natriuretic peptide		Human pro B-type natriuretic peptide	
					(proBNP) antibodies binding,		(proBNP) antigen binding, ELISA validated as	
		pro B-type		CMD b macDND A and a	Immunogen in Sandwich Elisa,	GMP-h-proBNP-Ab01;	capture antibody and detection antibody. Pair	
GMP-h-	Llumana	natriuretic	intrinsic cardiac	GMP-h-proBNP-Ag01:	lateral-flow tests,and other	GMP-h-proBNP-Ab02:	recommendation with other pro B-type	_,
proBNP	Human	peptide	dysfunction	Recombinant human	immunoassays as control material in	Anti-human proBNP mouse	natriuretic peptide (proBNP) antibodies in	=
		(proBNP)		proBNP Protein	proBNP level test of Cardiovascular	monoclonal antibody(mAb)	proBNP level test of Cardiovascular disease	
					disease(intrinsic cardiac dysfunction)		(intrinsic cardiac dysfunction) and related	
					and related syndrome evaluation.		syndrome evaluation.	

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Matrix Metalloproteinase Inhibitor-1 (TIMP-1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Matrix Metalloproteinase Inhibitor-1		Human Matrix Metalloproteinase Inhibitor-1	
					(TIMP-1) antibodies binding,		(TIMP-1) antigen binding, ELISA validated as	>
		Matrix	coronary artery		Immunogen in Sandwich Elisa,	GMP-h-TIMP-1-Ab01;	capture antibody and detection antibody. Pair	۲
GMP-h-TIMP-		Metalloproteinase		GMP-h-TIMP-1-Ag01:	lateral-flow tests,and other	GMP-h-TIMP-1-Ab02:	recommendation with other Matrix	
4	Human	Inhibitor-1 (TIMP-			immunoassays as control material in		Metalloproteinase Inhibitor-1 (TIMP-1)	=
'		1)	lesions	Protein	TIMP-1 level test of Cardiovascular	monoclonal antibody(mAb)	antibodies in TIMP-1 level test of	
		1)	lesions		disease(coronary artery stenosis,	monocional antibody(mAb)	Cardiovascular disease (coronary artery	
					coronary artery lesions) and related		stenosis, coronary artery lesions) and related	1
					syndrome evaluation.		syndrome evaluation.	

C-type natriuretic peptide (CNP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CNP	Human	C-type natriuretic peptide (CNP)	cardiovascular disease	GMP-h-CNP-Ag01: Recombinant human CNP Protein	C-type natriuretic peptide (CNP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in CNP level test of Cardiovascular disease(cardiovascular disease) and related syndrome evaluation.	GMP-h-CNP-Ab02: Anti-human CNP mouse monoclonal antibody(mAb)	Human C-type natriuretic peptide (CNP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other C-type natriuretic peptide (CNP) antibodies in CNP level test of Cardiovascular disease (cardiovascular disease) and related syndrome evaluation.	; =

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human atrial natriuretic peptide (ANP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					human atrial natriuretic peptide (ANP)		Human human atrial natriuretic peptide (ANP))
					antibodies binding, Immunogen in		antigen binding, ELISA validated as capture	
		human atrial	hypertension,	GMP-h-ANP-Ag01:	Sandwich Elisa, lateral-flow tests,and	GMP-h-ANP-Ab01;	antibody and detection antibody. Pair	
GMP-h-ANP	Human	natriuretic	cardiac	Recombinant human ANP	other immunoassays as control	GMP-h-ANP-Ab02:	recommendation with other human atrial	_
OWIF-II-AINF			hypertrophy and		material in ANP level test of	Anti-human ANP mouse	natriuretic peptide (ANP) antibodies in ANP	=
		peptide (Aivi)	heart failure	Trotein	Cardiovascular disease(hypertension,	monoclonal antibody(mAb)	level test of Cardiovascular disease	
					cardiac hypertrophy and heart failure)		(hypertension, cardiac hypertrophy and heart	
					and related syndrome evaluation.		failure) and related syndrome evaluation.	

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Angiotensin (AI)

Cat No. Spec	es Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-Al Hum	Angiotensin an (AI)	hypertension, renal disease, and congestive heart failure	GMP-h-Al-Ag01: Recombinant human Al Protein	Angiotensin (AI) antibodies binding, Immunogen in Sandwich Elisa, Iateral-flow tests,and other immunoassays as control material in AI level test of Cardiovascular disease(hypertension, renal disease, and congestive heart failure) and related syndrome evaluation.	GMP-h-Al-Ab02: Anti-human Al mouse	Human Angiotensin (AI) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Angiotensin (AI) antibodies in AI level test of Cardiovascular disease (hypertension, renal disease, and congestive heart failure) and related syndrome evaluation.	=

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Vascular Endothelial Growth Factor (VEGF)

Cat No. Species Biomarker Disease Cat No.of Antigen Bioactivity validation of Antigen Cat No.of Antibodies	Bioactivity validation of Antibodies O	rder
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Vascular Endothelial Growth Factor		Human Vascular Endothelial Growth Factor	
					(VEGF) antibodies binding,		(VEGF) antigen binding, ELISA validated as	
		Vascular		GMP-h-VEGF-Ag01:	Immunogen in Sandwich Elisa,	GMP-h-VEGF-Ab01;	capture antibody and detection antibody. Pair	-
CMD b VECE	Lluman	Endothelial	angiogenesis	Recombinant human VEGF	lateral-flow tests,and other	GMP-h-VEGF-Ab02:	recommendation with other Vascular	
GMP-h-VEGF	Human	Growth Factor		Protein	immunoassays as control material in	Anti-human VEGF mouse	Endothelial Growth Factor (VEGF) antibodies	;
		(VEGF)			VEGF level test of Cardiovascular	monoclonal antibody(mAb)	in VEGF level test of Cardiovascular disease	
					disease(angiogenesis) and related		(angiogenesis) and related syndrome	
					syndrome evaluation.		evaluation.	

recombinant human placental growth factor-1 (PLGF-1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					recombinant human placental growth		Human recombinant human placental growth	1
		recombinent			factor-1 (PLGF-1) antibodies binding,		factor-1 (PLGF-1) antigen binding, ELISA	
		recombinant		OMD Is DI OF 4 A sods	Immunogen in Sandwich Elisa,	GMP-h-PLGF-1-Ab01;	validated as capture antibody and detection	
GMP-h-PLGF-		human		GMP-h-PLGF-1-Ag01:	lateral-flow tests,and other	GMP-h-PLGF-1-Ab02:	antibody. Pair recommendation with other	
1	Human	placental	angiogenesis	Recombinant human PLGF-	immunoassays as control material in	Anti-human PLGF-1 mouse	recombinant human placental growth factor-1	1 💆
		growth factor-		1 Protein	PLGF-1 level test of Cardiovascular	monoclonal antibody(mAb)	(PLGF-1) antibodies in PLGF-1 level test of	
		1 (PLGF-1)			disease(angiogenesis) and related		Cardiovascular disease (angiogenesis) and	
					syndrome evaluation.		related syndrome evaluation.	

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S-Adenosylhomocysteine (SAH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT- SAH	Human	S- Adenosylhomocysteine (SAH)	cardiovascular disease, cancers, liver disease, and many other diseases	GMP-SMT-SAH-Ag01: BSA-S- Adenosylhomocysteine (SAH); GMP-SMT-SAH-Ag02: OVA-S- Adenosylhomocysteine (SAH)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-S-Adenosylhomocysteine (SAH)], S-Adenosylhomocysteine (SAH) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in SAH level test of Cardiovascular disease (cardiovascular disease, cancers, liver disease, and many other diseases) and related syndrome evaluation.	GMP-SMT-SAH-Ab01: Anti-S- Adenosylhomocysteine (SAH) mouse monoclonal antibody(mAb)	Human S-Adenosylhomocysteine (SAH) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in SAH level test of Cardiovascular disease (cardiovascular disease, cancers, liver disease, and many other diseases) and related syndrome evaluation.	f 🛒

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Homocysteine (HCY)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT- HCY	Human	Homocysteine (HCY)	dementia, heart disease and stroke.	GMP-SMT-HCY-Ag01: BSA-Homocysteine (HCY); GMP-SMT-HCY-Ag02: OVA-Homocysteine (HCY)	Competitive immunoassay-validated hapten- carrier conjugates [BSA-&OVA-Homocysteine (HCY)], Homocysteine (HCY) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in HCY level test of Cardiovascular disease (dementia, heart disease and stroke.) and related syndrome evaluation.	GMP-SMT-HCY-Ab01: Anti-Homocysteine (HCY) mouse monoclonal antibody(mAb)	Human Homocysteine (HCY) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in HCY level test of Cardiovascular disease (dementia, heart disease and stroke.) and related syndrome evaluation.	=

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aldosterone (RAA/Aldo)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of	Order	
oat ito.	Opecies	Diomarker	Discuse	out No.01 Antigen	bloactivity validation of Antigen	Out No.01 Antibodies	Antibodies	Order	

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT- RAA/Aldo	Human	aldosterone (RAA/Aldo)	Hypertension, blood pressure, hyperaldosteronism, renal artery stenosis (narrowing of the renal artery), congestive heart failure, cirrhosis, some kidney diseases (e.g., nephrotic syndrome).		Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-aldosterone (RAA/Aldo)], aldosterone (RAA/Aldo) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in RAA/Aldo level test of Cardiovascular disease (Hypertension, blood pressure, hyperaldosteronism, renal artery stenosis (narrowing of the renal artery), congestive heart failure, cirrhosis, some kidney diseases (e.g., nephrotic syndrome).) and related syndrome evaluation.	GMP-SMT-RAA/Aldo-Ab01: Anti-aldosterone (RAA/Aldo) mouse monoclonal antibody(mAb)	Human aldosterone (RAA/Aldo) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in RAA/Aldo level test of Cardiovascular disease (Hypertension, blood pressure, hyperaldosteronism, renal artery stenosis (narrowing of the renal artery), congestive heart failure, cirrhosis, some kidney diseases (e.g., nephrotic syndrome).) and related syndrome evaluation.	₩

digoxigenin (Digoxin)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Competitive immunoassay-validated hapten-			
					carrier conjugates [BSA-&OVA-digoxigenin		Human digoxigenin (Digoxin) binding,	,
				GMP-SMT-Digoxin-Ag01:	(Digoxin)], digoxigenin (Digoxin) antibodies	GMP-SMT-Digoxin-Ab01:	in Competitive immunoassay	
GMP-SMT-	I I versions	digoxigenin	NIA	BSA-digoxigenin (Digoxin);	binding, Immunogen in Competitive	Anti-digoxigenin (Digoxin)	validation, Elisa, lateral-flow tests,	
Digoxin	Human	(Digoxin)	NA	GMP-SMT-Digoxin-Ag02:	immunoassay validation, Elisa, lateral-flow	mouse monoclonal	and other immunoassays in Digoxin	=
				OVA-digoxigenin (Digoxin)	tests,and other immunoassays as control	antibody(mAb)	level test of Cardiovascular disease	
					material in Digoxin level test of Cardiovascular		and related syndrome evaluation.	
					disease and related syndrome evaluation.			

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Human Fatty Acid Binding Protein (HFABP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
Cat No. S		Human Fatty	metabolic syndrome,	GMP-SMT-HFABP-Ag01: BSA-Human Fatty Acid	Competitive immunoassay-validated hapten- carrier conjugates [BSA-&OVA-Human Fatty Acid Binding Protein (HFABP)], Human Fatty Acid Binding Protein (HFABP) antibodies binding, Immunogen in Competitive	GMP-SMT-HFABP-Ab01:	Human Human Fatty Acid Binding Protein (HFABP) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other	
GMP-SMT- HFABP			atherosclerosis, insulin resistance and low-grade inflammation	Binding Protein (HFABP); GMP-SMT-HFABP-Ag02: OVA-Human Fatty Acid Binding Protein (HFABP)	immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in HFABP level test of Cardiovascular disease (metabolic syndrome, atherosclerosis, insulin resistance and low- grade inflammation) and related syndrome evaluation.	Anti-Human Fatty Acid Binding Protein (HFABP) mouse monoclonal antibody(mAb)	immunoassays in HFABP level test of Cardiovascular disease (metabolic syndrome, atherosclerosis, insulin resistance and low-grade inflammation) and related syndrome evaluation.	=

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Diagnostic antibodies and antigens for Liver Diseases testing: Hyaluronic acid (HA), laminins (LN), collagen type IV (cIV), Procollagen III N-terminal peptide (PIIINP), Lithocholic Acid (LCA), deoxycholic acid (cholanoic acid), hyaluronic acid (HA), Cholyglycine (CG), Prealbumin (PA)

Liver is an important organ and it is responsible for the metabolism, energy storage, and waste filtering. Liver disease is a generally designates to any condition that affects the liver. These conditions may be because of different reasons, but all these reasons damage the liver and affect its function. Many people with liver disease do not cause any symptoms in the early stages. At a certain point in the development of liver disease damage can become irreversible and lead to liver failure, liver cancer, or death. Early diagnosis of liver disease may prevent liver damage. GENEMEDI produces core diagnostic ingredients such as collagen type IV, Procollagen III N-terminal peptide, Lithocholic Acid, deoxycholic acid, hyaluronic acid, Cholyglycine, Prealbumin and so on for test of Liver Diseases and related syndrome using ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT Kit.

 Classification:
 HABP
 LN
 CIV
 PIIINP
 LCA
 CHOLANOIC ACID
 HA
 CG
 PA

Hyaluronic acid binding protein (HABP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Hyaluronic acid (HA) Antibody Binding,			
		Hyaluronic			Immunogen in Sandwich ELISA test, Lateral	GMP-h-HABP-Ab01;	Human Hyaluronic acid (HA) protein	
		acid binding	rheumatoid	GMP-h-HABP-Ag01:	flow immunoassay (LFIA),colloidal gold	GMP-h-HABP-Ab02:	binding, ELISA validated as capture	
GMP-h-HABP	Human	protein	arthritis (RA)	Hyaluronic acid binding	immunochromatographic assay,	Anti-Hyaluronic acid binding	antibody and detection antibody. Pair	=
		•	andosteoarthritis	protein (HABP)	Chemiluminescent immunoassay	protein (HABP) mouse	in HAlevel test and Liver	
		(111121)			(CLIA),turbidimetric inhibition immuno assay	monoclonal antibody(mAb)	Diseases/Fibrosis evaluation.	
					(TINIA), immunonephelometry and POCT.			

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laminins (LN)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-LN	Human		muscular dystrophy, lethal skin blistering disease (junctional epidermolysis bullosa) and nephrotic syndrome	GMP-h-LN-Ag01: Recombinant human LN Protein	laminins (LN) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in LN level test of Liver diseases(muscular dystrophy, lethal skin blistering disease (junctional epidermolysis bullosa) and nephrotic syndrome) and related syndrome evaluation.	GMP-h-LN-Ab01; GMP-h-LN-Ab02: Anti-human LN mouse monoclonal antibody(mAb)	Human laminins (LN) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other laminins (LN) antibodies in LN level test of Liver diseases (muscular dystrophy, lethal skin blistering disease (junctional epidermolysis bullosa) and nephrotic syndrome) and related syndrome evaluation.	=

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collagen type IV (cIV)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
Cat No.	Species	collagen type IV	Goodpasture syndrome, Alport syndrome, glomerular basement membrane, Liver fibrosis and cirrhosis, alcoholic liver disease, hepatitis C and fall following successful therapy, autosomal dominant	GMP-h-clV-Ag01: Recombinant human	collagen type IV (cIV) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in cIV level test of Liver diseases(Goodpasture syndrome, Alport syndrome, glomerular basement membrane, Liver fibrosis and cirrhosis, alcoholic liver disease, hepatitis C and fall	GMP-h-cIV-Ab01; GMP-h-cIV-Ab02: Anti-human cIV mouse	Human collagen type IV (cIV) antigen binding. ELISA validated as capture antibody and detection antibody. Pair recommendation with other collagen type IV (cIV) antibodies in cIV level test of Liver diseases (Goodpasture syndrome, Alport syndrome, glomerular basement membrane, Liver fibrosis and cirrhosis, alcoholic liver disease, hepatitis C	1
		(cIV)	nephropathy, aneurysms, and muscle cramps. porencephaly, schizencephaly, congenital cataract, coronary artery disease, diabetic nephropathy and renal injury.	cIV Protein	following successful therapy. autosomal dominant hereditary angiopathy, nephropathy, aneurysms, and muscle cramps. porencephaly, schizencephaly, congenital cataract, coronary artery disease, diabetic nephropathy and renal injury.) and related syndrome evaluation.	monoclonal antibody(mAb)	and fall following successful therapy. autosomal dominant hereditary angiopathy, nephropathy, aneurysms, and muscle cramps porencephaly, schizencephaly, congenital cataract, coronary artery disease, diabetic nephropathy and renal injury.) and related syndrome evaluation.	i.

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Procollagen III N-terminal peptide (PIIINP)

Cat No.	pecies Biomarker	Species	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PIIINP	Procollagen I N-terminal	Human		GMP-h-PIIINP-Ag01:	Procollagen III N-terminal peptide (PIIINP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in PIIINP level test of Liver diseases(liver fibrosis and cirrhosis) and related syndrome evaluation.	GMP-h-PIIINP-Ab01; GMP-h-PIIINP-Ab02: Anti-human PIIINP mouse monoclonal antibody(mAb)	Human Procollagen III N-terminal peptide (PIIINP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Procollagen III N-terminal peptide (PIIINP) antibodies in PIIINP level test of Liver diseases (liver fibrosis and cirrhosis) and related syndrome evaluation.	#

Lithocholic Acid (LCA)

Cat No.
GMP-SMT- LCA

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deoxycholic acid (cholanoic acid)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-cholanoic-acid	Species Human	deoxycholic acid (cholanoic acid)	Disease liver cirrhosis, chronic kidney disease, vascular calcification, vasculature toxicity	Cat No.of Antigen GMP-SMT-cholanoic-acid- Ag01: BSA-deoxycholic acid (cholanoic acid); GMP-SMT-cholanoic-acid- Ag02: OVA-deoxycholic acid (cholanoic acid)	Bioactivity validation of Antigen Competitive immunoassay-validated hapten- carrier conjugates [BSA-&OVA-deoxycholic acid (cholanoic acid)], deoxycholic acid (cholanoic acid) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in cholanoic acid level test of Liver diseases (liver cirrhosis, chronic kidney disease,	Cat No.of Antibodies GMP-SMT-cholanoic-acid- Ab01: Anti-deoxycholic acid (cholanoic acid) mouse monoclonal antibody(mAb)	Bioactivity validation of Antibodies Human deoxycholic acid (cholanoic acid) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in cholanoic acid level test of Liver diseases (liver cirrhosis, chronic kidney disease, vascular calcification, vasculature toxicity) and	=
					vascular calcification, vasculature toxicity) and related syndrome evaluation.		related syndrome evaluation.	

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hyaluronic acid (HA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Competitive immunoassay-validated hapten-			
					carrier conjugates [BSA-&OVA-hyaluronic		Human hyaluronic acid (HA) binding,	
				GMP-SMT-HA-Ag01:	acid (HA)], hyaluronic acid (HA) antibodies	GMP-SMT-HA-Ab01:	in Competitive immunoassay	
CMD SMT IIA	Lluman		BSA-hyaluronic acid (HA);	binding, Immunogen in Competitive	Anti-hyaluronic acid (HA)	validation, Elisa, lateral-flow tests,		
GMP-SMT-HA	Human	acid (HA)		GMP-SMT-HA-Ag02:	immunoassay validation, Elisa, lateral-flow	mouse monoclonal	and other immunoassays in HA level	=
				OVA-hyaluronic acid (HA)	tests,and other immunoassays as control	antibody(mAb)	test of Liver diseases and related	
					material in HA level test of Liver diseases and		syndrome evaluation.	
					related syndrome evaluation.			

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Cholyglycine (CG)

Cat No. Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
GMP-SMT-CG Human	Cholyglycine (CG)	liver cirrhosis or obstructive liver disease	GMP-SMT-CG-Ag01: BSA-Cholyglycine (CG) GMP-SMT-CG-Ag02: OVA-Cholyglycine (CG)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Cholyglycine (CG)], Cholyglycine (CG) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in CG level test of Liver diseases (liver cirrhosis or obstructive liver disease) and related syndrome evaluation.	GMP-SMT-CG-Ab01: Anti-Cholyglycine (CG) mouse monoclonal antibody(mAb)	Human Cholyglycine (CG) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in CG level test of Liver diseases (liver cirrhosis or obstructive liver disease) and related syndrome evaluation.	=

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Prealbumin (PA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
							Human Prealbumin (PA) antigen	
GMP-h-PA	Human	Prealbumin (PA)	liver disease, inflammation, or tissue death	GMP-h-PA-Ag01: Recombinant human PA Protein	Prealbumin (PA) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in PA level test of Liver diseases(liver disease, inflammation, or tissue death) and related syndrome evaluation.	GMP-h-PA-Ab01; GMP-h-PA-Ab02: Anti-human PA mouse monoclonal antibody(mAb)	binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Prealbumin (PA) antibodies in PA level test of Liver diseases (liver disease, inflammation, or tissue death) and related syndrome	₹
							evaluation.	

Diagnostic antibodies and antigens for lung diseases testing: ACE2/hFc, ACE2/his

Lung disease such as asthma, COPD, infections like influenza, pneumonia and tuberculosis and lung cancer can affect respiratory function, or the ability to breathe, and pulmonary function. some of the lung diseases are caused by bacterial, viral, or fungal infections and some other lung diseases are associated with environmental factors, including asthma, mesothelioma, and lung cancer. The early diagnosis of the lung disease is an important step to prevent the respiratory failure. Biomarker such as human angiotensin converting enzyme 2 and so on are suitable for monitoring lung disease at early stages. Detecting the quantity of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: ACE2/HFC ACE2/HIS

Human Angiotensin Converting Enzyme 2 (ACE2/hFc

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Human Angiotensin Converting		Liver and Liver and Americate main Compared in a	
					Enzyme 2 (ACE2/hFc) antibodies		Human Human Angiotensin Converting Enzyme 2 (ACE2/hFc) antigen binding, ELISA	
		Human			binding, Immunogen in Sandwich	GMP-h-ACE2/hFc-Ab01;	validated as capture antibody and detection	
GMP-h-		Angiotensin	acute respiratory	GMP-h-ACE2/hFc-Ag01:	Elisa, lateral-flow tests,and other	GMP-h-ACE2/hFc-Ab02:	antibody. Pair recommendation with other	
ACE2/hFc	Human	Converting	distress	Recombinant human	immunoassays as control material in	Anti-human ACE2/hFc	Human Angiotensin Converting Enzyme 2	=
71022, 0		Enzyme 2	syndrome	ACE2/hFc Protein	ACE2/hFc level test of Lung	mouse monoclonal	(ACE2/hFc) antibodies in ACE2/hFc level test	t
		(ACE2/hFc			injury(acute respiratory distress	antibody(mAb)	of Lung injury (acute respiratory distress	
					syndrome) and related syndrome		syndrome) and related syndrome evaluation.	
					evaluation.			

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Human Angiotensin Converting Enzyme 2 (His)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h- ACE2/his	Human	Human	acute respiratory distress syndrome	GMP-h-ACE2/his-Ag01: Recombinant human ACE2/his Protein	Human Angiotensin Converting Enzyme 2 (His) (ACE2/his) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in		Human Human Angiotensin Converting Enzyme 2 (His) (ACE2/his) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Human Angiotensin Converting Enzyme 2 (His) (ACE2/his) antibodies in ACE2/his level test of Lung injury (acute respiratory distress syndrome) and related syndrome evaluation.	=

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Diagnostic antibodies and antigens for kidney function (renal damages) testing: Beta-2 microglobulin (B2M), Cystatin C (CYSC), Neutrophil gelatinase-associated lipocalin (NGAL), Alpha-1-microglobulin (A1M)

The kidneys are important to filter wastes and excess fluids from the blood and excreted in urine. Chronic kidney disease steadily loss the kidney function and fail to filter the waste in the body. The chronic kidney disease (CKD) includes advanced stage of renal parenchyma damage and the loss of functional nephrons. The loss of functional nephrons induces several molecular and cellular events, which leads to the development of renal lesions. The chronic kidney disease disperses the podocytes from basal membrane and excrete in the urine, therefore the diagnosis usually made with the serum proteins (creatinine) and blood urea (sCr). The early diagnosis of this disease is an important step to prevent the CKD. Biomarker such as Cystatin C (CYSC) Neutrophil gelatinase-associated lipocalin (NGAL), Beta-2 microglobulin (B2M), Alpha-1-microglobulin (A1M) and so on are suitable for

monitoring CKD at early stages. Detecting the quantity of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: B2M CYSC NGAL A1M

Beta-2 microglobulin (B2M)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
							Human Beta-2 microglobulin (B2M)	
					Beta-2 microglobulin (B2M) antibodies	Beta-2 microglobulin (B2M)-		
				Beta-2 microglobulin (B2M)-	binding, Immunogen in Sandwich Elisa,	Ab01;	capture antibody and detection	
GMP-h-B2M	Human	Beta-2	renal disease	Ag01:	lateral-flow tests,and other immunoassays as	Beta-2 microglobulin (B2M)-	antibody. Pair recommendation with other Beta-2 microglobulin (B2M)	
OWI -II-DZW	Tiuman	(B2M)	Terial disease	Recombinant human B2M	control material in B2M level test of Kidney	Ab02:	antibodies in B2M level test of Kidney	, =
				Protein	function (renal damages)(renal disease) and	Anti-human B2M mouse	function (renal damages) (renal	
					related syndrome evaluation.	monoclonal antibody(mAb)	disease) and related syndrome	
							evaluation.	

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Cystatin C (CYSC)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-CYSC	Human	Cystatin C (CYSC)	kidney function (renal damages)	Cystatin C (CYSC)-Ag01: Recombinant human CYSC Protein	Cystatin C (CYSC) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in CYSC level test of Kidney function (renal damages)(kidney function (renal damages)) and related syndrome evaluation.	Cystatin C (CYSC)-Ab01; Cystatin C (CYSC)-Ab02: Anti-human CYSC mouse monoclonal antibody(mAb)	Human Cystatin C (CYSC) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Cystatin C (CYSC) antibodies in CYSC level test of Kidney function (renal damages) (kidney function (renal damages)) and related syndrome evaluation.	-

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Neutrophil gelatinase-associated lipocalin (NGAL)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
							Human Neutrophil gelatinase-	
					Neutrophil gelatinase-associated lipocalin	Neutrophil gelatinase-	associated lipocalin (NGAL) antigen	
		Neutrophil		Neutrophil gelatinase-		associated lipocalin (NGAL)-	binding, ELISA validated as capture	
		gelatinase-		associated lipocalin (NGAL)-	Sandwich Elisa, lateral-flow tests,and other	Ab01;	antibody and detection antibody. Pair	
GMP-h-NGAL	Human	associated	kidney injury	Ag01:	immunoassays as control material in NGAL	Neutrophil gelatinase-	recommendation with other	
0	raman	lipocalin	maney many	Recombinant human NGAL	•	associated lipocalin (NGAL)-	Neutrophil gelatinase-associated	=
		(NGAL)		Protein	(kidney injury) and related syndrome	Ab02:	lipocalin (NGAL) antibodies in NGAL	
		,			evaluation.	Anti-human NGAL mouse	level test of Kidney function (renal	
						monoclonal antibody(mAb)	damages) (kidney injury) and related	
							syndrome evaluation.	

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Alpha-1-microglobulin (A1M)

Cat No.	Species Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
GMP-h-A1M	Alpha-1- Human microglobulin (A1M)	Proteinuria, preeclampsia,	Alpha-1-microglobulin (A1M)-Ag01: Recombinant human A1M Protein	Alpha-1-microglobulin (A1M) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in A1M level test of Kidney function (renal damages)(Proteinuria, preeclampsia,) and related syndrome evaluation.	Alpha-1-microglobulin (A1M)-Ab01; Alpha-1-microglobulin (A1M)-Ab02: Anti-human A1M mouse monoclonal antibody(mAb)	Human Alpha-1-microglobulin (A1M) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Alpha-1-microglobulin (A1M) antibodies in A1M level test of Kidney function (renal damages) (Proteinuria, preeclampsia,) and	=

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Diagnostic antibodies and antigens for gastric disease testing: pepsinogen I (PG I), Pepsinogen II (PG II), Gastrin 17 (G17), trefoil factor 1 (TFF1),

Gastrin (G100)

Gastric disorders are the most common disease leads to the death. Most death of gastric disease is mostly due the diagnosis at late-stage. The diagnosis of Gastric disease at early-stage is delayed due to the lack symptoms and effective diagnostic technique. The traditional technology, including endoscopic examination and gastroscopic biopsy are invasive to screen large population. Hence, biomarkers such as pepsinogen I, Pepsinogen II, Gastrin 17, trefoil factor 1, Gastrin and so on have been developed to detect the gastric diseases at an early stage for large population to significantly reduce the death caused by gastric cancer. However, the detection of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: PG I PG II G17 TFF1 G100

pepsinogen I (PG I)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PG-I	Human	pepsinogen I (PG I)	atrophic gastritis, pernicious anemia, intestinal metaplasia, dysplasia, gastric polyps, and gastric cancer	GMP-h-PG-I-Ag01: Recombinant human PG I Protein	pepsinogen I (PG I) antibodies binding, Immunogen in Sandwich Elisa, lateral- flow tests,and other immunoassays as control material in PG I level test of Gastric disease(atrophic gastritis, pernicious anemia, intestinal metaplasia, dysplasia, gastric polyps, and gastric cancer) and related syndrome evaluation.	GMP-h-PG-I-Ab01; GMP-h-PG-I-Ab02: Anti-human PG I mouse monoclonal antibody(mAb)	Human pepsinogen I (PG I) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other pepsinogen I (PG I) antibodies in PG I level test of Gastric disease (atrophic gastritis, pernicious anemia, intestinal metaplasia, dysplasia, gastric polyps, and gastric cancer) and related syndrome evaluation.	₩

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Pepsinogen II (PG II)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PG-II	Human	Pepsinogen II (PG II)	pernicious anemia	GMP-h-PG-II-Ag01: Recombinant human PG II Protein	Pepsinogen II (PG II) antibodies binding, Immunogen in Sandwich Elisa, lateral- flow tests,and other immunoassays as control material in PG II level test of Gastric disease(pernicious anemia) and related syndrome evaluation.	GMP-h-PG-II-Ab01; GMP-h-PG-II-Ab02: Anti-human PG II mouse monoclonal antibody(mAb)	Human Pepsinogen II (PG II) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Pepsinogen II (PG II) antibodies in PG II level test of Gastric disease (pernicious anemia) and related syndrome evaluation.	

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Gastrin 17 (G17)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
	Human	Gastrin 17 (G17)			Competitive immunoassay-validated	GMP-SMT-G17-Ab01: Anti-Gastrin 17 (G17) mouse		
GMP-SMT- G17					hapten-carrier conjugates [BSA-&OVA-			
					Gastrin 17 (G17)], Gastrin 17 (G17)		Human Gastrin 17 (G17) binding, in	ric
			7 Chronic atrophic gastritis (CAG)	GMP-SMT-G17-Ag01:	antibodies binding, Immunogen in		Competitive immunoassay validation,	
				BSA-Gastrin 17 (G17)	Competitive immunoassay validation,		Elisa, lateral-flow tests, and other	
				GMP-SMT-G17-Ag02:	Elisa, lateral-flow tests,and other		immunoassays in G17 level test of Gastrio	
				OVA-Gastrin 17 (G17)	immunoassays as control material in G17	monoclonal antibody(mAb)	disease (Chronic atrophic gastritis (CAG))
					level test of Gastric disease (Chronic		and related syndrome evaluation.	
					atrophic gastritis (CAG)) and related			
					syndrome evaluation.			

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trefoil factor 1 (TFF1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
out ito.	Opooloo	Diomanico	Dioodoo	out itoloi / tiltigon	Biodotivity validation of Antigon	out Holor / Hitibouloc	Biodotivity validation of Antibodico	O. 40.

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Competitive immunoassay-validated			
					hapten-carrier conjugates [BSA-&OVA-			
					trefoil factor 1 (TFF1)], trefoil factor 1		Human trefoil factor 1 (TFF1) binding, in	
				GMP-SMT-TFF1-Ag01:	(TFF1) antibodies binding, Immunogen in	GMP-SMT-TFF1-Ab01:	Competitive immunoassay validation,	
GMP-SMT-	Lluman	trefoil factor 1	Bile Reflux and	BSA-trefoil factor 1 (TFF1)	Competitive immunoassay validation,	Anti-trefoil factor 1 (TFF1)	Elisa, lateral-flow tests, and other	
TFF1	Human	(TFF1)	Gastric Ulcer	GMP-SMT-TFF1-Ag02:	Elisa, lateral-flow tests,and other	mouse monoclonal	immunoassays in TFF1 level test of	=
				OVA-trefoil factor 1 (TFF1)	immunoassays as control material in	antibody(mAb)	Gastric disease (Bile Reflux and Gastric	
					TFF1 level test of Gastric disease (Bile		Ulcer) and related syndrome evaluation.	
					Reflux and Gastric Ulcer) and related			
					syndrome evaluation.			

Gastrin (G100)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-G100	Human	Gastrin (G100)	gastrinoma	GMP-h-G100-Ag01: Recombinant human G100 Protein	Gastrin (G100) antibodies binding, Immunogen in Sandwich Elisa, lateral- flow tests,and other immunoassays as control material in G100 level test of Gastric disease(gastrinoma) and related syndrome evaluation.	GMP-h-G100-Ab01; GMP-h-G100-Ab02: Anti-human G100 mouse monoclonal antibody(mAb)	Human Gastrin (G100) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Gastrin (G100) antibodies in G100 level test of Gastric disease (gastrinoma) and related syndrome evaluation.	

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Diagnostic antibodies and antigens for thyroid disease testing: Reverse triiodothyronine (rT3), Thyroid Stimulating Hormone (TSH)

Thyroid gland produces the hormones that keep body functioning normally. When concentration of these hormone increases or decrease, it's called a thyroid disease. There are several types of thyroid disease, which includes hyperthyroidism, hypothyroidism, thyroiditis and Hashimoto's thyroiditis. The most commonly measured thyroid hormones are thyroid stimulating hormone (TSH), total thyroxine (T4), free T4, total triiodothyronine (T3), and free T3. The thyroid gland produces T4, as well as some T3. After its release from the thyroid gland, T4 is converted to T3, which is an active thyroid hormone, or to Reverse triiodothyronine (rT3), which is considered an inactive form. The rate and ratio of T4 conversion to either T3 or rT3 is depends upon the body's metabolic requirement. Hence, the measurement of reverse triiodothyronine, thyroid-stimulating hormone and so on is useful to diagnose the thyroid disorder. GeneMedi offers diagnostic antigen and antibody to detect the thyroid disorder.

Classification: RT3 TSH

Reverse triiodothyronine (rT3)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT- rT3	Human	Reverse triiodothyronine (rT3)	stress	GMP-SMT-rT3-Ag01: BSA-Reverse triiodothyronine (rT3) GMP-SMT-rT3-Ag02: OVA-Reverse triiodothyronine (rT3)	Competitive immunoassay-validated hapten- carrier conjugates [BSA-&OVA-Reverse triiodothyronine (rT3)], Reverse triiodothyronine (rT3) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in rT3 level test of Thyroid diseases (stress) and related syndrome evaluation.	GMP-SMT-rT3-Ab01: Anti-Reverse triiodothyronine (rT3) mouse monoclonal antibody(mAb)	Human Reverse triiodothyronine (rT3) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in rT3 level test of Thyroid diseases (stress) and related syndrome evaluation.	

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Thyroid Stimulating Hormone (TSH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies Order
	•			•	, , , , , , , , , , , , , , , , , , , ,		

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Thyroid Stimulating Hormone (TSH)		Human Thyroid Stimulating Hormone (TSH) antigen binding, ELISA validated as capture antibody and	
GMP-h-TSH	Human	Thyroid Stimulating Hormone (TSH)	Hypothyroidism, hyperthyroidism	Recombinant human TSH	antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in TSH level test of Thyroid diseases(Hypothyroidism, hyperthyroidism) and related syndrome evaluation.	GMP-h-TSH-Ab01; GMP-h-TSH-Ab02: Anti-human TSH mouse monoclonal antibody(mAb)	detection antibody. Pair recommendation with other Thyroid Stimulating Hormone (TSH) antibodies in TSH level test of Thyroid diseases (Hypothyroidism, hyperthyroidism) and related syndrome evaluation.	₩

Diagnostic antibodies and antigens for inflammatory bowel disease testing: Calprotectin (S100-A8)

Inflammatory bowel disease (IBD) is a group of idiopathic inflammatory disorders of the gastrointestinal (GI) tract characterized by the symptoms of abdominal pain and diarrhea. IBD is diagnosed by the comprehensive analysis of clinical findings, radiological imaging, invasive endoscopy and histopathological examination. Due to a lack of a gold standard, certain patients do not receive a definitive diagnosis using current diagnostic criteria. Recently, the search for a noninvasive marker that could augment or replace part of this diagnostic process has become a focus of IBD research. antibody markers, including microbial antibodies, autoantibodies and peptide antibodies, will minimize the use of endoscopic and radiologic examinations and improve the long-term prognosis of patients with IBD. Several intestinal inflammations and so on have been identified using specific marker. Detecting the quantity of marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: \$100-A8

Calprotectin (S100-A8)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Calprotectin (S100-A8) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow	GMP-h-S100-A8-Ab01;	Human Calprotectin (S100-A8) antigen binding, ELISA validated as capture antibody and detection	
GMP-h-S100- A8	Human	Calprotectin (S100-A8)	intestinal	GMP-h-S100-A8-Ag01: Recombinant human S100- A8 Protein	tests,and other immunoassays as control material in S100-A8 level test of Bowel	GMP-h-S100-A8-Ab02: Anti-human S100-A8 mouse	antibody. Pair recommendation with other Calprotectin (S100-A8) antibodies in S100-A8 level test of	=
					disease (intestinal inflammation) and related syndrome evaluation.	monoclonal antibody(mAb)	Bowel disease (intestinal inflammation) and related syndrome evaluation.	

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Diagnostic antibodies and antigens for fertility testing: Anti-Mullerian hormone (AMH), Fetal fibronectin (fFN), acrosome protein (ACRV1)

The pregnancy contains multiple steps that must effectively happen at a precise time and in the precise place. For fertilization, oocytes and sperm cells must experience a series of differentiation and development process. Abnormalities on the placement of embryo in the woman's uterus, decidualization, placentation and intrauterine embryonic development consequence the onset of pre-eclampsia, miscarriage and/or preterm birth. On the other hand, sperm cells of the man should undergo capacitation and acrosome exocytosis to fertilize oocytes appropriately. A little imbalance in this process may disturb the capability of sperm cells to fertilize the egg. Thus, the detection of biomarkers to monitor the pregnancy process, and complication in both female and male gametes is an opportunity for successful pregnancy. Recently, several biomarkers have been developed to improve diagnostic accuracy. Indeed, GENEMEDI offer the biomarkers such as Anti-Mullerian hormone (AMH), Fetal fibronectin (fFN), acrosome protein and so on to make a successful pregnancy. Detecting the quantity of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: AMH FFN ACRV1

Anti-Mu"llerian hormone (AMH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies Order
				_	,		

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
Cat No.	Species Human		polycystic ovary syndrome (PCOS)	Cat No.of Antigen GMP-h-AMH-Ag01: Recombinant human AMH Protein	Anti-Mu"llerian hormone (AMH) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in AMH level test of Fertility(polycystic ovary syndrome (PCOS)) and related syndrome evaluation.	GMP-h-AMH-Ab01; GMP-h-AMH-Ab02: Anti-human AMH mouse monoclonal antibody(mAb)	Human Anti-Mu'llerian hormone (AMH) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Anti- Mu'llerian hormone (AMH) antibodies in AMH level test of Fertility	.
							(polycystic ovary syndrome (PCOS)) and related syndrome evaluation.	

Fetal fibronectin (fFN)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
							Human Fetal fibronectin (fFN)	
					Fetal fibronectin (fFN) antibodies binding,		antigen binding, ELISA validated as	
		Fetal		GMP-h-fFN-Ag01:	Immunogen in Sandwich Elisa, lateral-flow	GMP-h-fFN-Ab01;	capture antibody and detection	
GMP-h-fFN	Human		premature delivery		tests,and other immunoassays as control	GMP-h-fFN-Ab02:	antibody. Pair recommendation with	
GIVIF -II-II IV	Tiuman	(fFN)	premature delivery	Protein	material in fFN level test of	Anti-human fFN mouse	other Fetal fibronectin (fFN)	=
		(11 14)		Floteili	Fertility(premature delivery) and related	monoclonal antibody(mAb)	antibodies in fFN level test of Fertility	
					syndrome evaluation.		(premature delivery) and related	
							syndrome evaluation.	

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acrosome protein (ACRV1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
							Human acrosome protein (ACRV1)	
					acrosome protein (ACRV1) antibodies		antigen binding, ELISA validated as	
				CMD b ACDVA A rod.	binding, Immunogen in Sandwich Elisa,	GMP-h-ACRV1-Ab01;	capture antibody and detection	
GMP-h-	11	acrosome	F - 4:1: 4:		lateral-flow tests,and other immunoassays as	GMP-h-ACRV1-Ab02:	antibody. Pair recommendation with	_
ACRV1	Human	protein	Fertilization	Recombinant human ACRV1	control material in ACRV1 level test of	Anti-human ACRV1 mouse	other acrosome protein (ACRV1)	=
		(ACRV1)		Protein	Fertility(Fertilization) and related syndrome	monoclonal antibody(mAb)	antibodies in ACRV1 level test of	
					evaluation.		Fertility (Fertilization) and related	
							syndrome evaluation.	

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Diagnostic antibodies and antigens for diabetes testing: C-peptide, Copeptin, Human Insulin (Ins), Human Proinsulin (Proinsulin), Adiponectin (ADPN)

Diabetes mellitus is the most known chronic disorder characterized by hyperglycemia. Diabetes mellitus is classified based on the deficiency of insulin production due to β-cell destruction (type 1) and by increased insulin resistance (type 2). The increasing rate of obesity increased the difficulties to determine the type of diabetes mellitus. The classification of diabetes mellitus is important for treatment. Beside the conventional method, the detection of biomarkers such as c-peptide, copeptin, insulin, proinsulin, adiponectin and so on are used to differentiate the diabetes mellitus type. However, the detection of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: C-PEPTIDE COPEPTIN INS PROINSULIN ADPN

C-peptide

C-peptide (C-Peptide) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow	GMP-h-C-Peptide-Ab01;	Human C-peptide (C-Peptide) antigen binding, ELISA validated as capture antibody and detection	
Human Peptide C-peptide C-peptide C-peptide C-peptide C-peptide C-peptide Recombinant human C- Peptide Protein Recombinant human C- Peptide Protein Recombinant human C- Deptide Protein	GMP-h-C-Peptide-Ab02: Anti-human C-Peptide mouse monoclonal antibody(mAb)	antibody. Pair recommendation with other C-peptide (C-Peptide) antibodies in C-Peptide level test of Diabetes diseases (type 1 diabetes mellitus) and related syndrome	=

Copeptin

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
							Human Copeptin antigen binding,	
			diabetes		Copeptin antibodies binding, Immunogen in		ELISA validated as capture antibody	
			insipidus,		Sandwich Elisa, lateral-flow tests,and other	GMP-h-Copeptin-Ab01;	and detection antibody. Pair	
GMP-h-			syndrome of	GMP-h-Copeptin-Ag01:	immunoassays as control material in Copeptin		recommendation with other Copeptin	
Copeptin	Human	Copeptin	inappropriate	Recombinant human	level test of Diabetes diseases(diabetes	Anti-human Copeptin mouse	antibodies in Copeptin level test of	=
			antidiuresis	Copeptin Protein	insipidus, syndrome of inappropriate	monoclonal antibody(mAb)	Diabetes diseases (diabetes	
			(SIAD)		antidiuresis (SIAD)) and related syndrome	,	insipidus, syndrome of	
			,		evaluation.		inappropriate antidiuresis (SIAD)) and	1
							related syndrome evaluation.	

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Human Insulin (Ins)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
							Human Human Insulin (Ins) antigen	
GMP-h-Ins					Human Insulin (Ins) antibodies binding,		binding, ELISA validated as capture	
				GMP-h-Ins-Ag01:	Immunogen in Sandwich Elisa, lateral-flow	GMP-h-Ins-Ab01;	antibody and detection antibody. Pair	
	Human	Human Insulin	Diabetes	Recombinant human Ins	tests,and other immunoassays as control	GMP-h-Ins-Ab02:	recommendation with other Human	
GIVIF -II-IIIS	Tiuman	(Ins)	mellitus	Protein	material in Ins level test of Diabetes	Anti-human Ins mouse	Insulin (Ins) antibodies in Ins level	=
				FTOLEIT	diseases(Diabetes mellitus) and related	monoclonal antibody(mAb)	test of Diabetes diseases (Diabetes	
					syndrome evaluation.		mellitus) and related syndrome	
							evaluation.	

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Human Proinsulin (Proinsulin)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
							Human Human Proinsulin (Proinsulin))
					Human Proinsulin (Proinsulin) antibodies	GMP-h-Proinsulin-Ab01;	antigen binding, ELISA validated as	
		Human		GMP-h-Proinsulin-Ag01:	binding, Immunogen in Sandwich Elisa,	GMP-h-Proinsulin-Ab02:	capture antibody and detection	
GMP-h-	Human	Proinsulin	type 2 diabetes	Recombinant human	lateral-flow tests,and other immunoassays as	Anti-human Proinsulin	antibody. Pair recommendation with	=
Proinsulin		(Proinsulin)		Proinsulin Protein	control material in Proinsulin level test of	mouse monoclonal	other Human Proinsulin (Proinsulin)	
					Diabetes diseases(type 2 diabetes) and related syndrome evaluation.	antibody(mAb)	antibodies in Proinsulin level test of Diabetes diseases (type 2 diabetes)	
					related syndrome evaluation.		and related syndrome evaluation.	

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Adiponectin (ADPN)

Cat No.	Species Biomarker	narker Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-ADPN	Adiponectin Human (ADPN)	obesity and	GMP-h-ADPN-Ag01: Recombinant human ADPN Protein	Adiponectin (ADPN) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in ADPN level test of Diabetes diseases(diabetes, obesity and atherosclerosis) and related syndrome evaluation.	GMP-h-ADPN-Ab01; GMP-h-ADPN-Ab02: Anti-human ADPN mouse monoclonal antibody(mAb)	Human Adiponectin (ADPN) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Adiponectin (ADPN) antibodies in ADPN level test of Diabetes diseases (diabetes, obesity and atherosclerosis) and related syndrome evaluation.	₩

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Diagnostic antibodies and antigens for metabolic diseases testing: 25-OH-(VD3+VD2), PINP, β-CTx, 25-OH-VD, 25-OH-VD-3, SAHH, CBL, CBS, LP-PLA2, RBP4

Metabolism is the process of making energy from the food. metabolic disease, any of the diseases or disorders that disrupt normal metabolism, the process of converting food to energy on a cellular level. Thousands of enzymes participating in numerous interdependent metabolic pathways carry out this process. Metabolic diseases affect the ability of the cell to perform critical biochemical reactions that involve the processing or transport of proteins (amino acids), carbohydrates (sugars and starches), or lipids (fatty acids). The consequences of metabolic disorder may be severe; intellectual disability, seizures, decreased muscle tone, organ failure, blindness, and deafness may occur, depending on which enzyme is dysfunctional. Biomarker such as -25 hydroxyvitamin D, amino-terminal propeptide (PINP), β-isomerized C-terminal telopeptides, 25-hydroxy (OH) Vitamin, S-adenosylhomocysteine (AdoHcy) hydrolase, cystathionine-β-synthase enzyme, Phospholipase A2, Retinol binding protein 4 and so on are suitable for monitoring metabolic disease. Detecting the quantity of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: 25-OH-(VD3+VD2) PINP B-CTX 25-OH-VD 25-OH-VD-3 SAHH CBL CBS LP-PLA2 RBP4

25 hydroxyvitamin D (25-OH-(VD3+VD2))

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Competitive immunoassay-validated hapten-			
				GMP-SMT-25-OH-VD3/2-	carrier conjugates [BSA-&OVA-25		Human 25 hydroxyvitamin D (25-OH-	
				Ag01:	hydroxyvitamin D (25-OH-(VD3+VD2))], 25		(VD3+VD2)) binding, in Competitive	
		25	bone fracture,	BSA-25 hydroxyvitamin D	hydroxyvitamin D (25-OH-(VD3+VD2))	GMP-SMT-25-OH-VD3/2-	immunoassay validation, Elisa,	
GMP-SMT-25-		hydroxyvitamin	coronary heart		antibodies binding, Immunogen in Competitive	Ab01:	lateral-flow tests, and other	
OH-VD3/2	Human	D (25-OH-	disease, cancer,	, , , , , , , , , , , , , , , , , , , ,	immunoassay validation, Elisa, lateral-flow	Anti-25 hydroxyvitamin D	immunoassays in 25-OH-(VD3+VD2)	₩
011-100/2		(VD3+VD2))	and all-cause	Ag02:	tests,and other immunoassays as control	(25-OH-(VD3+VD2)) mouse	level test of Metabolic diseases (bone	,
		(*55: *52))	mortality	OVA-25 hydroxyvitamin D	material in 25-OH-(VD3+VD2) level test of	monoclonal antibody(mAb)	fracture, coronary heart disease,	
				(25-OH-(VD3+VD2))	Metabolic diseases (bone fracture, coronary		cancer, and all-cause mortality) and	
				(20-011-(1001102))	heart disease, cancer, and all-cause mortality)		related syndrome evaluation.	
					and related syndrome evaluation.			

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amino-terminal propeptide (PINP) (PINP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
							Human amino-terminal propeptide	
							(PINP) (PINP) antigen binding, ELISA	
					amino-terminal propeptide (PINP) (PINP)		validated as capture antibody and	
		amino-		GMP-h-PINP-Ag01:	antibodies binding, Immunogen in Sandwich	GMP-h-PINP-Ab01;	detection antibody. Pair	
GMP-h-PINP	Human	terminal	osteoporosis	Recombinant human PINP	Elisa, lateral-flow tests,and other	GMP-h-PINP-Ab02:	(PINP) (PINP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other amino- terminal propeptide (PINP) (PINP)	
OWI -II-I IIVI	Tuman	propeptide	therapy	Protein	immunoassays as control material in PINP	Anti-human PINP mouse		=
		(PINP) (PINP)		Trotom	level test of Metabolic diseases(osteoporosis	monoclonal antibody(mAb)	antibodies in PINP level test of	
					therapy) and related syndrome evaluation.		Metabolic diseases (osteoporosis	
							therapy) and related syndrome	
							evaluation.	

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β-isomerized C-terminal telopeptides (β-CTx)

				_	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orac
							Human β-isomerized C-terminal	
					β-isomerized C-terminal telopeptides (β-CTx)		telopeptides (β-CTx) antigen binding, ELISA validated as capture antibody	
	β-isom	merized		GMP-h-β-CTx-Ag01:	antibodies binding, Immunogen in Sandwich	GMP-h-β-CTx-Ab01;	and detection antibody. Pair	
GMP-h-β-CTx Hι	luman	erminal o eptides	osteoporosis	Recombinant human β-CTx	Elisa, lateral-flow tests,and other immunoassays as control material in β-CTx	GMP-h-β-CTx-Ab02: Anti-human β-CTx mouse	recommendation with other β-	=
		·CTx)		Protein	level test of Metabolic diseases(osteoporosis)	•	isomerized C-terminal telopeptides	
					and related syndrome evaluation.		(β-CTx $)$ antibodies in $β$ -CTx level test of Metabolic diseases (osteoporosis)	

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25-hydroxy (OH) Vitamin (25-OH-VD)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of	Order
	Сросиос						Antibodies	

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT- 25-OH-VD	Human	25-hydroxy (OH) Vitamin (25-OH-VD)	osteoporosis and rickets	GMP-SMT-25-OH-VD- Ag01: BSA-25-hydroxy (OH) Vitamin (25-OH-VD) GMP-SMT-25-OH-VD- Ag02: OVA-25-hydroxy (OH)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-25-hydroxy (OH) Vitamin (25-OH-VD)], 25-hydroxy (OH) Vitamin (25-OH-VD) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in 25-OH-VD level test of Metabolic diseases	GMP-SMT-25-OH-VD- Ab01: Anti-25-hydroxy (OH) Vitamin (25-OH-VD) mouse	Human 25-hydroxy (OH) Vitamin (25-OH-VD) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in 25-OH-VD level test of Metabolic diseases (osteoporosis and rickets) and	=
				Vitamin (25-OH-VD)	(osteoporosis and rickets) and related syndrome evaluation.		related syndrome evaluation.	

25-hydroxy (OH) Vitamin (25-OH-VD)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT- 25-OH-VD-3	Human	25-hydroxy (OH) Vitamin D3 (25-OH- VD-3)	osteoporosis and rickets	GMP-SMT-25-OH-VD-3- Ag01: BSA-25-hydroxy (OH) Vitamin D3 (25-OH-VD)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-25-hydroxy (OH) Vitamin D3 (25-OH-VD-3)], 25-hydroxy (OH) Vitamin D3 (25-OH-VD-3) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in 25-OH-VD-3 level test of Metabolic diseases (osteoporosis and rickets) and related syndrome evaluation.	GMP-SMT-25-OH-VD-3- Ab01; GMP-SMT-25-OH-VD-3- Ab02: Anti-25-hydroxy (OH) Vitamin D3 (25-OH-VD-3) mouse monoclonal antibody(mAb)	Human 25-hydroxy (OH) Vitamin D3 (25-OH-VD-3) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in 25-OH- VD-3 level test of Metabolic diseases (osteoporosis and rickets) and related syndrome evaluation.	=

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S-adenosylhomocysteine (AdoHcy) hydrolase (SAHH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h- SAHH	Human	S- adenosylhomocysteine (AdoHcy) hydrolase (SAHH)	S- adenosylhomocysteine (AdoHcy) hydrolase deficiency	GMP-h-SAHH-Ag01: Recombinant human SAHH Protein	S-adenosylhomocysteine (AdoHcy) hydrolase (SAHH) antibodies binding, Immunogen in Sandwich Elisa, lateral- flow tests,and other immunoassays as control material in SAHH level test of Metabolic diseases(S- adenosylhomocysteine (AdoHcy) hydrolase deficiency) and related syndrome evaluation.	GMP-h-SAHH-Ab01; GMP-h-SAHH-Ab02: Anti-human SAHH mouse monoclonal antibody(mAb)	Human S-adenosylhomocysteine (AdoHcy) hydrolase (SAHH) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other S- adenosylhomocysteine (AdoHcy) hydrolase (SAHH) antibodies in SAHH level test of Metabolic diseases (S- adenosylhomocysteine (AdoHcy) hydrolase deficiency) and related syndrome evaluation.	₹

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$cystathionine \hbox{-}\beta\hbox{-}synthase\ enzyme\ (CBL)$

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies Order
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
							Human cystathionine-β-synthase	
							enzyme (CBL) antigen binding,	
GMP-h-CBL					cystathionine-β-synthase enzyme (CBL)		ELISA validated as capture antibody	
			ectopia lentis,		antibodies binding, Immunogen in Sandwich	GMP-h-CBL-Ab01;	and detection antibody. Pair	
		cystathionine-	learning	GMP-h-CBL-Ag01:	Elisa, lateral-flow tests,and other			
	Human	β-synthase	difficulties and	Recombinant human CBL	immunoassays as control material in CBL	Anti-human CBL mouse	recommendation with other cystathionine-β-synthase enzyme (CBL) antibodies in CBL level test of	₩
		enzyme (CBL)	skeletal	Protein	level test of Metabolic diseases(ectopia lentis,	monoclonal antibody(mAb)		
			abnormalities		learning difficulties and skeletal abnormalities)	monocional antibody(m/sb)	Metabolic diseases (ectopia lentis,	
					and related syndrome evaluation.		learning difficulties and skeletal	
							abnormalities) and related syndrome	
							evaluation.	

cystathionine-β-synthase enzyme (CBS)

GMP-h-CBS Human β-synthase enzyme (CBS) antibodies binding, Immunogen in Sandwich enzyme (CBS) antibodies binding, Immunogen in Sandwich g-synthase enzyme (CBS) antibodies binding, Immunogen in Sandwich enzyme (CBS) antibodies binding, Immunogen in Sandwich g-synthase enzyme (CBS) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests, and other immunoassays as control material in CBS enzyme (CBS) antibodies binding, Immunogen in Sandwich gMP-h-CBS-Ab01; gMP-h-CBS-Ab02: Anti-human CBS mouse monoclonal antibody(mAb) (CBS) antibodies in CBS level test of Metabolic diseases (ectopia lentis, learning difficulties and skeletal	Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
abnormalities) and related syndrome			cystathionine- β-synthase	ectopia lentis, learning difficulties and skeletal	GMP-h-CBS-Ag01: Recombinant human CBS	cystathionine-β-synthase enzyme (CBS) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in CBS level test of Metabolic diseases(ectopia lentis,	GMP-h-CBS-Ab01; GMP-h-CBS-Ab02: Anti-human CBS mouse	Human cystathionine-β-synthase enzyme (CBS) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other cystathionine-β-synthase enzyme (CBS) antibodies in CBS level test of Metabolic diseases (ectopia lentis, learning difficulties and skeletal	₩.

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Phospholipase A2 (LP-PLA2)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT- LP-PLA2	Species Human		atherosclerosis,	GMP-SMT-LP-PLA2-Ag01:	Competitive immunoassay-validated hapten- carrier conjugates [BSA-Phospholipase A2 (LP-PLA2)], Phospholipase A2 (LP-PLA2) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow	GMP-SMT-LP-PLA2-Ab01;	Human Phospholipase A2 (LP-PLA2) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in LP-PLA2	,
					obesity, and diabetes) and related syndrome evaluation.		syndrome evaluation.	

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Retinol binding protein 4 (RBP4)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
					Competitive immunoassay-validated hapten-		Human Retinol binding protein 4	
					carrier conjugates [BSA-Retinol binding		(RBP4) binding, in Competitive	
		Retinol	obesity, type 2 diabetes,		protein 4 (RBP4)], Retinol binding protein 4 (RBP4) antibodies binding, Immunogen in	GMP-SMT-RBP4-Ab01;	immunoassay validation, Elisa,	
GMP-SMT-		binding	metabolic	GMP-SMT-RBP4-Ag01:	Competitive immunoassay validation, Elisa,	GMP-SMT-RBP4-Ab02:	lateral-flow tests, and other	
RBP4	Human	protein 4	syndrome, and	BSA-Retinol binding protein		Anti-Retinol binding protein 4	immunoassays in RBP4 level test of	=
		(RBP4)	cardiovascular	4 (RBP4)	control material in RBP4 level test of	(RBP4) mouse monoclonal	Metabolic diseases (obesity, type 2	
		,	diseases		Metabolic diseases (obesity, type 2 diabetes,	antibody(mAb)	diabetes, metabolic syndrome, and	
					metabolic syndrome, and cardiovascular		cardiovascular diseases) and related	
					diseases) and related syndrome evaluation.		syndrome evaluation.	

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Diagnostic antibodies and antigens for hormonal disorders testing: DHEA, DEX, Calcitonin, Cortisol, Testosterone, PG, EPO, Progesterone, LH, Prolactin, Estrone, Estradiol, HCG, DES/HES, Bisphenol A, Thyroxin T4, Forchlorfenuron, Norethisterone, Flugestone Acetate, Thyroxin T3, IGFBP-1, ACTH, PTH, TBG, FSH

Hormones are proteins, which help organs and tissues to perform specific functions. hormones play an integral role in your overall health. It controls growth, fertility, sexual function, emotions, and absorption of nutrients. Hormone disorders are the result of a hormonal imbalance i.e production of too much or too little of one or more hormones. Several hormonal disorders such as Anemia, hypothyroidism, irregular bleeding, pituitary or adrenal malfunction, acromegaly, acute inflammation, breast cancer, Cushing's syndrome, erythrocytosis, gigantism, hypergonadotrophic-hypogonadism, Hyperparathyroidism, hypertension, hypopituitarism, infertility, mood swings, polycythemia, pregnancy, Testosterone Deficiency Syndrome, thyroid cancer and so on have been identified using specific marker. Detecting the quantity of marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.



dehydroepiandrosterone (DHEA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT- DHEA	Human	dehydroepiandrosterone (DHEA)	Hormone disorders	GMP-SMT-DHEA-Ag01: BSA- dehydroepiandrosterone (DHEA); GMP-SMT-DHEA-Ag02: OVA- dehydroepiandrosterone (DHEA)	Competitive immunoassay-validated hapten-carrier conjugates [BSA- dehydroepiandrosterone (DHEA)], dehydroepiandrosterone (DHEA) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in DHEA level test of Hormone disorders (Hormone disorders) and related syndrome evaluation.	GMP-SMT-DHEA-Ab01: Anti- dehydroepiandrosterone (DHEA) mouse monoclonal antibody(mAb)	Human dehydroepiandrosterone (DHEA) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in DHEA level test of Hormone disorders (Hormone disorders) and related syndrome evaluation.	=

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Dexamethasone (DEX)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT- DEX	Human	Dexamethasone (DEX)	Cushing's syndrome	GMP-SMT-DEX-Ag01: BSA-Dexamethasone (DEX); GMP-SMT-DEX-Ag02: OVA-Dexamethasone (DEX)	Competitive immunoassay-validated hapten- carrier conjugates [BSA-Dexamethasone (DEX)], Dexamethasone (DEX) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in DEX level test of Hormone disorders (Cushing's syndrome) and related		Human Dexamethasone (DEX) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests,	
					syndrome evaluation.			

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Calcitonin

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
					Competitive immunoassay-validated hapten-			
					carrier conjugates [BSA-Calcitonin], Calcitonin		Human Calcitonin binding, in	
				GMP-SMT-Calcitonin-Ag01:	antibodies binding, Immunogen in Competitive		Competitive immunoassay validation,	
GMP-SMT-				BSA-Calcitonin;	immunoassay validation, Elisa, lateral-flow	GMP-SMT-Calcitonin-Ab01:	Elisa, lateral-flow tests, and other	
Calcitonin	Human	Calcitonin	thyroid cancer	GMP-SMT-Calcitonin-Ag02:	tests, and other immunoassays as control	Anti-Calcitonin mouse	immunoassays in Calcitonin level test	=
Garonomin				OVA-Calcitonin	material in Calcitonin level test of Hormone	monoclonal antibody(mAb)	of Hormone disorders (thyroid	
				OVA-Calcitoriii			cancer) and related syndrome	
					disorders (thyroid cancer) and related		evaluation.	
					syndrome evaluation.			

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Cortisol

Cat No.
GMP-SMT- Cortisol

Testosterone

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
GMP-SMT- Testosterone	Human	Testosterone	Testosterone Deficiency Syndrome	GMP-SMT-Testosterone- Ag01: BSA-Testosterone; GMP-SMT-Testosterone- Ag02: OVA-Testosterone	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Testosterone], Testosterone antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Testosterone level test of Hormone disorders (Testosterone Deficiency Syndrome) and related syndrome evaluation.	GMP-SMT-Testosterone- Ab01: Anti-Testosterone mouse monoclonal antibody(mAb)	Human Testosterone binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Testosterone level test of Hormone disorders (Testosterone Deficiency Syndrome) and related syndrome evaluation.	=

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Prostaglandin (PG)

	Cat No.	Bioactivity validation of An	Biomarker	Bioactivity validation of Antibodies
GMP-SMT-PG Human Prostaglandin (PG) Human Prostaglandin (PG) GMP-SMT-PG-Ag01: Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in PG level OVA-Prostaglandin (PG) OVA-Prostaglandin (PG) acute inflammation GMP-SMT-PG-Ab01: Validation, Elisa, lateral-flow tests, and other immunoassays in PG level and other immunoassays in PG level antibody(mAb)		Human Prostaglandin (PG) In Competitive immunous validation, Elisa, lateral-flow and other immunous says in It test of Hormone disorders inflammation) and related sy	Prostaglandin	Human Prostaglandin (PG) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in PG level test of Hormone disorders (acute inflammation) and related syndrome

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Erythropoetin (EPO)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT- EPO	Human	Erythropoetin (EPO)	Anemia, polycythemia or erythrocytosis, hypertension	GMP-SMT-EPO-Ag01: BSA-Erythropoetin (EPO); GMP-SMT-EPO-Ag02: OVA-Erythropoetin (EPO)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Erythropoetin (EPO)], Erythropoetin (EPO) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in EPO level test of Hormone disorders (Anemia, polycythemia or erythrocytosis, hypertension) and related syndrome evaluation.	GMP-SMT-EPO-Ab01: Anti-Erythropoetin (EPO) mouse monoclonal antibody(mAb)	Human Erythropoetin (EPO) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in EPO level test of Hormone disorders (Anemia, polycythemia or erythrocytosis, hypertension) and related syndrome evaluation.	=

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Progesterone

	Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies O	Order	
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Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Competitive immunoassay-validated hapten-			
				GMP-SMT-Progesterone-	carrier conjugates [BSA-Progesterone],		Human Progesterone binding, in	
				Ag01:	Progesterone antibodies binding, Immunogen	GMP-SMT-Progesterone-	Competitive immunoassay validation,	,
GMP-SMT-	Human	Human Progesterone	fertility	BSA-Progesterone;	in Competitive immunoassay validation, Elisa,	Ab01:	Elisa, lateral-flow tests, and other	_
Progesterone			storie letuity	GMP-SMT-Progesterone-	lateral-flow tests, and other immunoassays as	Anti-Progesterone mouse	immunoassays in Progesterone level	=
				Ag02:	control material in Progesterone level test of	monoclonal antibody(mAb)	test of Hormone disorders (fertility)	
				OVA-Progesterone	Hormone disorders (fertility) and related		and related syndrome evaluation.	
				syndrome evaluation.				

Luteinizing hormone (LH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
					Competitive immunoassay-validated hapten-			
				GMP-SMT-LH-Ag01:	carrier conjugates [BSA-Luteinizing hormone		Human Luteinizing hormone (LH)	
				BSA-Luteinizing hormone	(LH)], Luteinizing hormone (LH) antibodies	GMP-SMT-LH-Ab01:	binding, in Competitive immunoassay	,
CMD CMT LLL	Ukumana	Luteinizing	£_ u4:1:4	(LH);	binding, Immunogen in Competitive	Anti-Luteinizing hormone	validation, Elisa, lateral-flow tests,	
GMP-SMT-LH Human	Human	hormone (LH)	fertility	GMP-SMT-LH-Ag02:	immunoassay validation, Elisa, lateral-flow	(LH) mouse monoclonal	and other immunoassays in LH level	=
				OVA-Luteinizing hormone	tests,and other immunoassays as control	antibody(mAb)	test of Hormone disorders (fertility)	
				(LH)	material in LH level test of Hormone disorders		and related syndrome evaluation.	
					(fertility) and related syndrome evaluation.			

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Prolactin

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	3 Order
					Competitive immunoassay-validated hapten-			
					carrier conjugates [BSA-Prolactin], Prolactin		Human Prolactin binding, in	
				GMP-SMT-Prolactin-Ag01:	antibodies binding, Immunogen in Competitive	CMD CMT Prolection Ab01.	Competitive immunoassay validation,	,
GMP-SMT-	Human	Prolactin	fertility	BSA-Prolactin;	immunoassay validation, Elisa, lateral-flow	GMP-SMT-Prolactin-Ab01: Anti-Prolactin mouse	Elisa, lateral-flow tests, and other	
Prolactin	пишап	Prolactin	lerunty	GMP-SMT-Prolactin-Ag02:	02: tests, and other immunoassays as control	immunoassays in Prolactin level test	: =	
				of Hormone disorders (fertility) and				
					disorders (fertility) and related syndrome		related syndrome evaluation.	
					evaluation.			

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Estrone (E1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-E1	Human	Estrone (E1)	irregular bleeding, fatigue or mood swings	GMP-SMT-E1-Ag01: BSA-Estrone (E1); GMP-SMT-E1-Ag02: OVA-Estrone (E1)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Estrone (E1)], Estrone (E1) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in E1 level test of Hormone disorders (irregular bleeding, fatigue or mood swings) and related syndrome evaluation.	GMP-SMT-E1-Ab01: Anti-Estrone (E1) mouse monoclonal antibody(mAb)	Human Estrone (E1) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in E1 level test of Hormone disorders (irregular bleeding, fatigue or mood swings) and related syndrome evaluation.	.

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Estradiol (E2/E3)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies Or	rder	
				_					

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Competitive immunoassay-validated hapten-			
					carrier conjugates [BSA-Estradiol (E2/E3)],		Human Estradiol (E2/E3) binding, in	
				GMP-SMT-E2/E3-Ag01:	Estradiol (E2/E3) antibodies binding,	Anti-Estradiol (E2/E3) mouse r	Competitive immunoassay validation,	
GMP-SMT-	Human	Estradiol	Fertility	BSA-Estradiol (E2/E3);	Immunogen in Competitive immunoassay		Elisa, lateral-flow tests, and other	
E2/E3	Human	(E2/E3)		GMP-SMT-E2/E3-Ag02:	validation, Elisa, lateral-flow tests,and other		immunoassays in E2/E3 level test of	=
			OVA-Estradiol (E2/E3)	immunoassays as control material in E2/E3	monoclonal antibody(mAb)	Hormone disorders (Fertility) and		
				level test of Hormone disorders (Fertility) and		related syndrome evaluation.		
					related syndrome evaluation.			

Growth hormone (hGH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
Cat No.	Species Human	Growth hormone (hGH)	Acromegaly,	GMP-h-hGH-Ag01: Recombinant human hGH Protein	Growth hormone (hGH) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in hGH level test of Hormone disorders(Acromegaly, gigantism) and related	GMP-h-hGH-Ab01; GMP-h-hGH-Ab02: Anti-human hGH mouse	Human Growth hormone (hGH) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Growth hormone (hGH) antibodies in hGH level test of	Order <u></u>
					syndrome evaluation.		gigantism) and related syndrome evaluation.	

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Human chorionic gonadotropin (HCG)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
							Human chorionic gonadotropin	
							(HCG) antigen binding, ELISA	
					Human chorionic gonadotropin (HCG)		validated as capture antibody and	
		Human		CMD b LICC Ag01	antibodies binding, Immunogen in Sandwich	GMP-h-HCG-Ab01;	detection antibody. Pair	
CMD b HCC	Human	chorionic	prognancy	GMP-h-HCG-Ag01: Recombinant human HCG	Elisa, lateral-flow tests,and other	GMP-h-HCG-Ab02:	recommendation with other Human	
GMP-h-HCG	пинан	Human gonadotropin (HCG) Recombinant human HCG immunoassays as control material in HCG Anti-human HCG mouse level test of Hormone disorders(Acromegaly, monoclonal antibody (mAb)	chorionic gonadotropin (HCG)	=				
			monoclonal antibody (mAb)	antibodies in HCG level test of				
					gigantism) and related syndrome evaluation.		Hormone disorders (Acromegaly,	
							gigantism) and related syndrome	
							evaluation.	

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Diethylstilbestrol/Hexestrol (DES/HES)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
GMP-SMT- DES/HES	Human	Diethylstilbestrol/Hexestrol (DES/HES)	Food safety	GMP-SMT-DES/HES-Ag01: BSA- Diethylstilbestrol/Hexestrol (DES/HES); GMP-SMT-DES/HES-Ag02: OVA- Diethylstilbestrol/Hexestrol (DES/HES)	Competitive immunoassay-validated hapten-carrier conjugates [BSA- Diethylstilbestrol/Hexestrol (DES/HES)], Diethylstilbestrol/Hexestrol (DES/HES) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in DES/HES level test of Hormone disorders (Food safety) and related syndrome	GMP-SMT-DES/HES-Ab01: Anti- Diethylstilbestrol/Hexestrol (DES/HES) mouse monoclonal antibody(mAb)	Human Diethylstilbestrol/Hexestrol (DES/HES) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in DES/HES level test of Hormone disorders (Food safety) and related syndrome evaluation.	=

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Bisphenol A

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies Order

GMP-SMT- Bisphenol A Bisphenol A Bisphenol A Carcinogen GMP-SMT-Bisphenol A- Carcinogen Competitive immunoassay-validated hapten- carrier conjugates [BSA-Bisphenol A], Bisphenol A antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, Bisphenol A GMP-SMT-Bisphenol A- GMP-SMT-Bisphenol A- Bisphenol A GMP-SMT-Bisphenol A- GMP-SMT-Bisphenol A- GMP-SMT-Bisphenol A- GMP-SMT-Bisphenol A- GMP-SMT-Bisphenol A- GMP-SMT-Bisphenol A- Bisphenol A GMP-SMT-Bisphenol A- GMP-SMT-Bisphenol A Ag02: Competitive immunoassay-validated hapten- carrier conjugates [BSA-Bisphenol A], Bisphenol A antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Bisphenol A mouse test of Hormone disorders (Toxicity, mutagen and carcinogen) and related	Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
syndrome evaluation. carcinogen) and related syndrome evaluation.	GMP-SMT-			Toxicity, mutagen and	GMP-SMT-Bisphenol A- Ag01: BSA-Bisphenol A; GMP-SMT-Bisphenol A- Ag02:	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Bisphenol A], Bisphenol A antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Bisphenol A level test of Hormone disorders (Toxicity, mutagen and	GMP-SMT-Bisphenol A-Ab01: Anti-Bisphenol A mouse	Human Bisphenol A binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Bisphenol A level test of Hormone disorders (Toxicity, mutagen and carcinogen) and related	=

Thyroxin T4

Ag01: Thyroxin T4 antibodies binding, Immunogen in GMP-SMT-Thyroxin T4-	Cat No.	Bioactivity validation of Antibodies Ord	Species Biomarker Disease Cat No.of Antigen Bioactivity validation of Antigen Cat No.of Antibe
GMP-SMT- BSA-Thyroxin T4; Competitive immunoassay validation, Elisa, Ab01:	GMP-SMT-	Human Thyroxin T4 binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Thyroxin T4 level test of Hormone disorders (hyperthyroidism) and related	Competitive immunoassay-validated hapten- carrier conjugates [BSA-Thyroxin T4], Ag01: Thyroxin T4 antibodies binding, Immunogen in BSA-Thyroxin T4; GMP-SMT-Thyroxin T4; GMP-SMT-Thyroxin T4 Ag02: Competitive immunoassay validated hapten- carrier conjugates [BSA-Thyroxin T4], Competitive immunoassay validation, Elisa, Ab01: Anti-Thyroxin T4 in Monoclonal antibodies OVA-Thyroxin T4 Hormone disorders (hyperthyroidism) and

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Forchlorfenuron

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT- Forchlorfenuror	Human	Forchlorfenuron	food safety	GMP-SMT-Forchlorfenuron- Ag01: BSA-Forchlorfenuron; GMP-SMT-Forchlorfenuron- Ag02: OVA-Forchlorfenuron	Forchlorfenuron antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other	GMP-SMT-Forchlorfenuron- Ab01: Anti-Forchlorfenuron mouse monoclonal antibody(mAb)	Human Forchlorfenuron binding, in Competitive immunoassay validation Elisa, lateral-flow tests, and other immunoassays in Forchlorfenuron level test of Hormone disorders (food safety) and related syndrome evaluation.	ı, =

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Norethisterone

Cat No.	ies Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
GMP-SMT- orethisterone		breast cancer	GMP-SMT-Norethisterone- Ag01: BSA-Norethisterone; GMP-SMT-Norethisterone- Ag02: OVA-Norethisterone	Competitive immunoassay-validated hapten- carrier conjugates [BSA-Norethisterone], Norethisterone antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Norethisterone level test of Hormone disorders (breast cancer) and related	GMP-SMT-Norethisterone- Ab01: Anti-Norethisterone mouse monoclonal antibody(mAb)	Human Norethisterone binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Norethisterone level test of Hormone disorders (breast cancer) and related syndrome evaluation.	#

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Flugestone Acetate

Cat No. Species Biomarker Disease Cat No.of Antigen Bioactivity validation of Antigen Cat No.of Antibodies Bioactivity validation	of Antibodies Order
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Cat No.	Biomarker Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT- Flugestone Acetate	Flugestone Acetate	GMP-SMT-Flugestone Acetate-Ag01: BSA-Flugestone Acetate; GMP-SMT-Flugestone Acetate-Ag02: OVA-Flugestone Acetate	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Flugestone Acetate], Flugestone Acetate antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Flugestone Acetate level test of Hormone disorders and related syndrome evaluation.	GMP-SMT-Flugestone Acetate-Ab01: Anti-Flugestone Acetate mouse monoclonal antibody(mAb)	Human Flugestone Acetate binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Flugestone Acetate level test of Hormone disorders and related syndrome evaluation.	

Thyroxin T3

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT- Thyroxin T3	Human	Thyroxin T3	hyperthyroidism and hypopituitarism	GMP-SMT-Thyroxin T3-	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Thyroxin T3], Thyroxin T3 antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Thyroxin T3 level test of Hormone disorders (hyperthyroidism and hypopituitarism) and related syndrome	GMP-SMT-Thyroxin T3-Ab01:	Human Thyroxin T3 binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Thyroxin T3 level test of Hormone disorders (hyperthyroidism and hypopituitarism) and related syndrome evaluation.	, =
					evaluation.			

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Insulin-like growth factor binding protein 1 (IGFBP-1)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order	
					Competitive immunoassay-validated hapten-				
				GMP-SMT-IGFBP-1-Ag01:	carrier conjugates [BSA-Insulin-like growth	1	Human Insulin-like growth factor		
		Insulin-like		BSA-Insulin-like growth	factor binding protein 1 (IGFBP-1)], Insulin-	GMP-SMT-IGFBP-1-Ab01:	binding protein 1 (IGFBP-1) binding,		
	Human	growth factor	growth factor		factor binding protein 1	like growth factor binding protein 1 (IGFBP-1)	Anti-Insulin-like growth factor	in Competitive immunoassay	
GMP-SMT-				Prognancy	(IGFBP-1);	antibodies binding, Immunogen in Competitive		validation, Elisa, lateral-flow tests,	_
IGFBP-1	пишап		Fregulaticy	GMP-SMT-IGFBP-1-Ag02:	immunoassay validation, Elisa, lateral-flow	mouse monoclonal	and other immunoassays in IGFBP-1	=	
		(IGFBP-1)	protein 1	•	OVA-Insulin-like growth	tests,and other immunoassays as control		level test of Hormone disorders	
				factor binding protein 1	material in IGFBP-1 level test of Hormone	antibody(mAb)	(Pregnancy) and related syndrome		
				(IGFBP-1)	disorders (Pregnancy) and related syndrome		evaluation.		
					evaluation.				

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adrenocorticotropic hormone (ACTH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-ACTH	Human	adrenocorticotropic hormone (ACTH)	pituitary or adrenal malfunction, pituitary tumor, adrenal tumor, lung tumor	GMP-h-ACTH-Ag01: Recombinant human ACTH Protein	adrenocorticotropic hormone (ACTH) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in ACTH level test of Hormone disorders(pituitary or adrenal malfunction, pituitary tumor, adrenal tumor, lung tumor) and related syndrome evaluation.	GMP-h-ACTH-Ab01; GMP-h-ACTH-Ab02: Anti-human ACTH mouse monoclonal antibody(mAb)	Human adrenocorticotropic hormone (ACTH) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other adrenocorticotropic hormone (ACTH) antibodies in ACTH level test of) =
					evaluation.		adrenal tumor, lung tumor) and related syndrome evaluation.	

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parathyroid hormone (PTH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-PTH	Human	parathyroid hormone (PTH)	Hyperparathyroidism	Recombinant human PTH	parathyroid hormone (PTH) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in PTH level test of Hormone disorders(Hyperparathyroidism) and related syndrome evaluation.	GMP-h-PTH-Ab01; GMP-h-PTH-Ab02: Anti-human PTH mouse monoclonal antibody(mAb)	Human parathyroid hormone (PTH) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other parathyroid hormone (PTH) antibodies in PTH level test of Hormone disorders (Hyperparathyroidism) and related syndrome evaluation.	; •

Thyroid Binding Globulin (TBG)

Cat No. Species	Biomarker Disease	Disease Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
GMP-SMT- TBG	Thyroid Binding Globulin (TBG) hypothyroidism liver disease, and pregnancy	Globulin (TBG); er disease, GMP-SMT-TBG-Ag02:	Competitive immunoassay-validated hapten-carrier conjugates [BSA-Thyroid Binding Globulin (TBG)], Thyroid Binding Globulin (TBG) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in TBG level test of Hormone disorders (hypothyroidism, liver disease, and pregnancy) and related syndrome evaluation.	GMP-SMT-TBG-Ab01: Anti-Thyroid Binding Globulin (TBG) mouse monoclonal antibody(mAb)	Human Thyroid Binding Globulin (TBG) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in TBG level test of Hormone disorders (hypothyroidism, liver disease, and pregnancy) and related syndrome evaluation.	₩.

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follicle stimulating hormone (FSH)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
GMP-SMT- FSH	Human	follicle stimulating hormone (FSH)	hypergonadotrophic- hypogonadism and infertility	GMP-SMT-FSH-Ag01: BSA-follicle stimulating hormone (FSH); GMP-SMT-FSH-Ag02: OVA-follicle stimulating hormone (FSH)	Competitive immunoassay-validated hapten- carrier conjugates [BSA-follicle stimulating hormone (FSH)], follicle stimulating hormone (FSH) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in FSH level test of Hormone disorders (hypergonadotrophic- hypogonadism and infertility) and related syndrome evaluation.	GMP-SMT-FSH-Ab01: Anti-follicle stimulating hormone (FSH) mouse monoclonal antibody(mAb)	Human follicle stimulating hormone (FSH) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in FSH level test of Hormone disorders (hypergonadotrophic-hypogonadism and infertility) and related syndrome evaluation.	=

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Diagnostic antibodies and antigens for Vitamin deficiency testing: folic acid (FA), vitamin D binding protein (VDBP)

Vitamin deficiency is the condition of a long-term lack of a vitamin. Vitamin deficiency caused by insufficient intake of vitamin is classified as a primary deficiency, whereas vitamin deficiency due to an underlying disorder such as malabsorption is called as a secondary deficiency. Vitamin deficiencies can be detected in several ways. GENEMEDI produces core diagnostic ingredients such as folic acid, vitamin D binding protein and so on to test vitamin deficiency using ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT Kit.

Classification: FA VDBP

folic acid (FA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies Order

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
Cat No.	Species Human	Biomarker folic acid (FA)	vitamin deficiency	GMP-SMT-FA-Ag01: BSA-folic acid (FA) GMP-SMT-FA-Ag02: OVA-folic acid (FA)	Bioactivity validation of Antigen Competitive immunoassay-validated hapten- carrier conjugates [BSA-&OVA-folic acid (FA)], folic acid (FA) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in FA level test of Vitamin deficiency (vitamin deficiency) and related		Human folic acid (FA) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in FA level test of Vitamin deficiency (vitamin deficiency) and related syndrome	
					syndrome evaluation.		evaluation.	

vitamin D binding protein (VDBP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order	
							Human vitamin D binding protein		
							(VDBP) antigen binding, ELISA		
		binding nan I dia protein			vitamin D binding protein (VDBP) antibodies		validated as capture antibody and		
	Human) liver failure, type	GMP-h-VDBP-Ag01:	binding, Immunogen in Sandwich Elisa,	GMP-h-VDBP-Ab01;	detection antibody. Pair		
GMP-h-VDBP			binding		Recombinant human VDBP	lateral-flow tests,and other immunoassays as	GMP-h-VDBP-Ab02:	recommendation with other vitamin D	
GIVIF -II-VDDF				fibrosis Protein	control material in VDBP level test of Vitamin	Anti-human VDBP mouse	binding protein (VDBP) antibodies in	=	
					deficiency(liver failure, type I diabetes, cystic	monoclonal antibody(mAb)	VDBP level test of Vitamin deficiency		
					fibrosis) and related syndrome evaluation.		(liver failure, type I diabetes, cystic		
							fibrosis) and related syndrome		
							evaluation.		

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Diagnostic antibodies and antigens for Fibrinogen disorders testing: Fibrinogen (FIB)

Fibrinogen disorders are a set of hereditary or acquired abnormalities in the quantity and/or quality of circulating fibrinogens. The disorders may lead to pathological bleeding and/or blood clotting or the deposition of fibrinogen in the liver, kidneys, or other organs and tissues. These disorders include Congenital afibrinogenemia, Congenital hypofibrinogenemia, Fibrinogen storage disease, Congenital dysfibrinogenemia, Hereditary fibrinogen Aα-Chain amyloidosis, Acquired dysfibrinogenemia, Congenital hypo dysfibrinogenemia and Cryofibrinogenemia. The detection of fibrinogen and so on are used to diagnose the fibrinogen disorders. However, the detection of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: FIBRINOGEN (FIB)

Fibrinogen (FIB)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					Fibrinogen (FIB) antibodies binding,		Human Fibrinogen (FIB) antigen binding,	,
					Immunogen in Sandwich Elisa, lateral-		ELISA validated as capture antibody and	i
			congenital afibrinogenemia,		flow tests,and other immunoassays as		detection antibody. Pair recommendation	1
			congenital hypofibrinogenemia,		control material in FIB level test of		with other Fibrinogen (FIB) antibodies in	
		Fibrinogen n (FIB)	fibrinogen storage disease,		Fibrinogen disorders(congenital	GMP-h-FIB-Ab01;	FIB level test of Fibrinogen disorders	
			congenital dysfibrinogenemia,	GMP-h-FIB-Ag01:	afibrinogenemia, congenital	GMP-h-FIB-Ab02:	(congenital afibrinogenemia, congenital	
GMP-h-FIB			hereditary fibrinogen Aα-Chain	Recombinant human FIB	hypofibrinogenemia, fibrinogen storage	Anti-human FIB mouse	hypofibrinogenemia, fibrinogen storage	=
			amyloidosis, acquired	Protein	disease, congenital dysfibrinogenemia,	monoclonal	disease, congenital dysfibrinogenemia,	
			dysfibrinogenemia, congenital		hereditary fibrinogen Aα-Chain	antibody(mAb)	hereditary fibrinogen Aα-Chain	
			hypodysfibrinogenemia, and		amyloidosis, acquired dysfibrinogenemia,		amyloidosis, acquired dysfibrinogenemia,	,
			cryofibrinogenemia		congenital hypodysfibrinogenemia, and		congenital hypodysfibrinogenemia, and	
					cryofibrinogenemia) and related		cryofibrinogenemia) and related	
					syndrome evaluation.		syndrome evaluation.	

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Diagnostic antibodies and antigens for Neurodegenerative diseases testing: Phospho-tau181 (p-tau181), Phospho-tau217 (p-tau217), tau proteins (Tau), neurofilament light chain (NFL), neurofilament protein (AD7c-NTP)

Neurodegenerative diseases refer to the injury or dysfunction of one or more nerves, which results in numbness, tingling, muscle weakness and discomfort in the nerves affected part. Neurodegenerative diseases often arise from the hands and feet, sometimes other parts of the body also affected. Peripheral neuropathy refers the injury or dysfunction of the peripheral nerves. Peripheral neuropathy might be acute or chronic, and sometimes it is reversible. Neurodegenerative diseases induce a series of complications in the health and

develop the symptoms of those issues. Biochemical markers are increasingly used for the early diagnosis of the neuropathy. In addition, such markers may provide additional information for understanding the pathology of disease. Several markers such as a Phospho-tau181, Phospho-tau217, tau proteins, neurofilament light chain, neurofilament protein and so on have been identified to be associated with the neurodegenerative diseases. Detecting the quantity of these marker proteins from different samples may benefit from ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

 Classification:
 P-TAU181
 P-TAU217
 TAU
 NFL
 AD7C-NTP

Phospho-tau181 (p-tau181)

Phospho-tau181 (p-tau2 binding, Immunogen in S GMP-h-p- GMP-h-p- Human tau181 (p- Alzheimer Recombinant human p- Recombinant human p- as control material in p-tau2	of Antigen Cat No.of Antibodies Bioactivity validation of Antibodies	Order
tau181 tau181) Disease(AD) tau181 Protein of Neurodegenerative disc evaluation	antigen binding, ELISA validated as antigen binding, ELISA validated as capture antibody and detection antibody. GMP-h-p-tau181-Ab01: GMP-h-p-tau181-Ab02: Pair recommendation with other Phospho- tau181 (p-tau181) antibodies in p-tau181 monoclonal antibody(mAb) level test of Neurodegenerative diseases	₩

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Phospho-tau217 (p-tau217)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-p- tau217	Human	Phospho- tau217 (p- tau217)	Alzheimer Disease(AD)	GMP-h-p-tau217-Ag01: Recombinant human p- tau217 Protein	Phospho-tau217 (p-tau217) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in p-tau217 level test of Neurodegenerative diseases(Alzheimer Disease(AD)) and related syndrome evaluation.	GMP-h-p-tau217-Ab02: Anti-human p-tau217 mouse	Human Phospho-tau217 (p-tau217) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Phospho- tau217 (p-tau217) antibodies in p-tau217 level test of Neurodegenerative diseases (Alzheimer Disease(AD)) and related syndrome evaluation.	_ =

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tau proteins (Tau)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
					tau proteins (Tau) antibodies binding,		Human tau proteins (Tau) antigen binding	J,
					Immunogen in Sandwich Elisa, lateral-	CMD b Tau Abod.	ELISA validated as capture antibody and	i
		tou protoine	Alah simosto	GMP-h-Tau-Ag01:	flow tests,and other immunoassays as	GMP-h-Tau-Ab01;	detection antibody. Pair recommendation	1
GMP-h-Tau	Human	tau proteins	Alzheimer's	Recombinant human Tau	control material in Tau level test of	GMP-h-Tau-Ab02:	with other tau proteins (Tau) antibodies in	ı 🛒
		(Tau)	disease	Protein	Neurodegenerative diseases(Alzheimer's	Anti-human Tau mouse	Tau level test of Neurodegenerative	
					disease) and related syndrome	monoclonal antibody(mAb)	diseases (Alzheimer's disease) and	
					evaluation.		related syndrome evaluation.	

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neurofilament light chain (NFL)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-NFL	Human	neurofilament light chain (NFL)	neurodegenerative diseases	GMP-h-NFL-Ag01: Recombinant human NFL Protein	neurofilament light chain (NFL) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in NFL level test of Neurodegenerative diseases(neurodegenerative diseases) and related syndrome evaluation.	GMP-h-NFL-Ab01; GMP-h-NFL-Ab02:	Human neurofilament light chain (NFL) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other neurofilament light chain (NFL) antibodies in NFL level test of Neurodegenerative diseases (neurodegenerative diseases) and related syndrome evaluation.	s

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neurofilament protein (AD7c-NTP)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-AD7c- NTP	Human	neurofilament protein (AD7c- NTP)	amyotrophic lateral sclerosis, Parkinson, Alzheimer, and Charcot-Marie- Tooth	GMP-h-AD7c-NTP-Ag01: Recombinant human AD7c- NTP Protein	neurofilament protein (AD7c-NTP) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in AD7c-NTP level test of Neurodegenerative diseases(amyotrophic lateral sclerosis, Parkinson, Alzheimer, and Charcot-Marie-Tooth) and related syndrome evaluation.	GMP-h-AD7c-NTP-Ab01; GMP-h-AD7c-NTP-Ab02: Anti-human AD7c-NTP mouse monoclonal antibody(mAb)	Human neurofilament protein (AD7c-NTP) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other neurofilament protein (AD7c-NTP) antibodies in AD7c-NTP level test of Neurodegenerative diseases (amyotrophic lateral sclerosis, Parkinson, Alzheimer, and Charcot-Marie-Tooth) and related syndrome evaluation.	₩.

Diagnostic antibodies and antigens for Epilepsy-related valproate (VPA) toxicity testing: Sodium valproate (VPA)

Valproate is a commonly used antiepileptic drug for the treatment of epilepsy and seizures. It is safe for use in both adults and children more than three years of age. Valproate toxicity can occur both accidentally and intentionally. Acute valproate overdose usually presents with CNS depression/encephalopathy, electrolyte abnormalities such as hypernatremia, elevated transaminase levels, hyperammonemia, and hepatoxicity. In patients with a severe overdose of valproate, patients can present with hypotension, tachycardia, respiratory depression, metabolic acidosis, cerebral edema, and valproate-related hyperammonemic encephalopathy which may progress to coma and death. GENEMEDI developed the Gastrin-17 (G-17) antigens and antibodies for the diagnosis of valproate toxicity based on ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: VPA

Sodium valproate (VPA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT- VPA					Competitive immunoassay-validated hapten-			
				GMP-SMT-VPA-Ag01:	carrier conjugates [BSA-&OVA-Sodium		Human Sodium valproate (VPA)	
		Cadium		BSA-Sodium valproate	valproate (VPA)], Sodium valproate (VPA)	GMP-SMT-VPA-Ab01:	binding, in Competitive immunoassay	,
	Human	Sodium valproate (VPA)	toxicity	(VPA);	antibodies binding, Immunogen in Competitive	Anti-Sodium valproate (VPA)	validation, Elisa, lateral-flow tests,	
				GMP-SMT-VPA-Ag02:	immunoassay validation, Elisa, lateral-flow	mouse monoclonal	and other immunoassays in VPA level	
				OVA-Sodium valproate	tests,and other immunoassays as control	antibody(mAb)	test of Epilepsy (toxicity) and related	
				(VPA):	material in VPA level test of Epilepsy (toxicity)		syndrome evaluation.	
					and related syndrome evaluation.			

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Diagnostic antibodies and antigens for pain-related acetaminophen (Paracetamol) toxicity testing

Acetaminophen is known as paracetamol in many countries outside the US. It is one of the most frequently used oral analgesics and antipyretics. It has an outstanding safety profile when administered in an appropriate dose, but hepatotoxicity can occur after overdose or when misused in at-risk populations. GENEMEDI developed the antigens and antibodies for the diagnosis of potential acetaminophen toxicity based on ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Classification: PARACETAMOL

acetaminophen (Paracetamol)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
				GMP-SMT-Paracetamol-	Competitive immunoassay-validated hapten-	GMP-SMT-Paracetamol-	Human acetaminophen	
				Ag01:	carrier conjugates [BSA-&OVA-acetaminophen		(Paracetamol) binding, in	
				BSA-acetaminophen	(Paracetamol)], acetaminophen (Paracetamol)	Ab01:	Competitive immunoassay	
GMP-SMT-		acetaminophen	hepatotoxicity	(Paracetamol);	antibodies binding, Immunogen in Competitive	Anti-acetaminophen	validation, Elisa, lateral-flow	
Paracetamol	Human	(Paracetamol)		GMP-SMT-Paracetamol-	immunoassay validation, Elisa, lateral-flow		tests, and other immunoassays ir	n
				Ag02:	tests,and other immunoassays as control material	(Paracetamol) mouse	Paracetamol level test of Pain	
				OVA-acetaminophen	in Paracetamol level test of Pain (hepatotoxicity)	monoclonal antibody(mAb)	(hepatotoxicity) and related	
				(Paracetamol)	and related syndrome evaluation.		syndrome evaluation.	

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Diagnostic antibodies and antigens for multiple disease testing: thioredoxin reductase (TrxR)

Thioredoxin (Trx) and thioredoxin reductase (TrxR) plus NADPH, comprising the thioredoxin system, has a large number of functions in DNA synthesis, defense against oxidative stress and apoptosis or redox signaling with reference to many diseases such as cancer, viral disease, ischaemia— reperfusion injury, cardiac conditions, aging, premature birth and newborn physiology. GENEMEDI produces core diagnostic ingredients such as thioredoxin reductase and so on to test multiple disorders using ELISA, Lateral flow immunoassay (LFIA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT Kit.

Classification: TRXR

thioredoxin reductase (TrxR)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Orde
							Human thioredoxin reductase (TrxR)	
					thioredoxin reductase (TrxR) antibodies		antigen binding, ELISA validated as	
	tt	Alei awa da win	cancer, viral		binding, Immunogen in Sandwich Elisa,		capture antibody and detection antibody.	
			disease, ischaemia-	CMD b True A rod.	lateral-flow tests,and other immunoassays	GMP-h-TrxR-Ab01	Pair recommendation with other	
CMD h TryD Human	thioredoxin	reperfusion injury,	GMP-h-TrxR-Ag01:	as control material in TrxR level test of	GMP-h-TrxR-Ab02:	thioredoxin reductase (TrxR) antibodies in		
GMP-n-TIXK	GMP-h-TrxR Human reductase (TrxR)		cardiac conditions,	Recombinant human TrxR	Multiple disease(cancer, viral disease,	Anti-human TrxR mouse	TrxR level test of Multiple disease	=
			aging, premature	Protein	ischaemia- reperfusion injury, cardiac	monoclonal antibody(mAb)	(cancer, viral disease, ischaemia-	
			birth		conditions, aging, premature birth) and		reperfusion injury, cardiac conditions,	
					related syndrome evaluation.		aging, premature birth) and related	
						syndrome evaluation.		

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Diagnostic antibodies and antigens for biologics testing: Streptavidin (SA), Staphylococcus protein A (SPA)

The biological agent such as streptavidin and staphylococcus protein A have an important role in biochemical research because of its ability to bind biotin and immunoglobulins respectively. GENEMEDI produces core diagnostic ingredients such as streptavidin, staphylococcus protein A and so on for the biochemical research.

Classification: SA SPA

Streptavidin (SA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	3 Order
					Competitive immunoassay-validated hapten-			
OMD OMT OA					carrier conjugates [BSA-Streptavidin (SA)],		Human Streptavidin (SA) binding, in	
		Streptavidin (SA)		GMP-SMT-SA-Ag01:	Streptavidin (SA) antibodies binding,	GMP-SMT-SA-Ab01: Anti-Streptavidin (SA) mouse	Competitive immunoassay validation,	=
	Llumon		NIA	BSA-Streptavidin (SA);	Immunogen in Competitive immunoassay		Elisa, lateral-flow tests, and other	
GMP-SMT-SA	Human		NA	GMP-SMT-SA-Ag02:	validation, Elisa, lateral-flow tests,and other		immunoassays in SA level test of	
				OVA-Streptavidin (SA)	immunoassays as control material in SA level	monoclonal antibody(mAb)	Biology and related syndrome	
					test of Biology and related syndrome		evaluation.	
					evaluation.			

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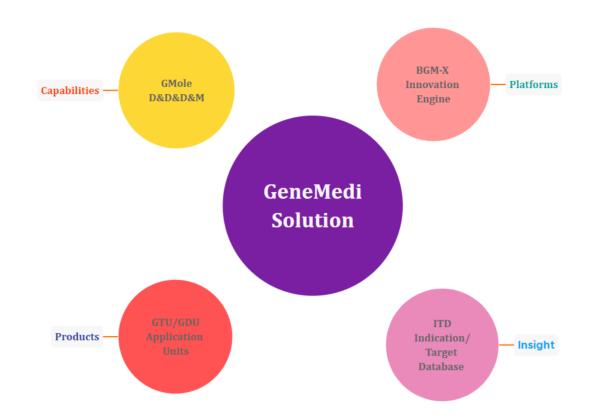
Staphylococcus protein A (SPA)

Cat No.	Species	Biomarker	Disease	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-h-SPA	Human	Staphylococcus protein A (SPA)	N/A	GMP-h-SPA-Ag01: Recombinant human SPA Protein	Staphylococcus protein A (SPA) antibodies binding, Immunogen in Sandwich Elisa, lateral-flow tests,and other immunoassays as control material in SPA level test of Biology(N/A) and related syndrome evaluation.	GMP-h-SPA-Ab01; GMP-h-SPA-Ab02: Anti-human SPA mouse monoclonal antibody(mAb)	Human Staphylococcus protein A (SPA) antigen binding, ELISA validated as capture antibody and detection antibody. Pair recommendation with other Staphylococcus protein A (SPA) antibodies in SPA level test of Biology (N/A) and related syndrome evaluation.	₩.

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