

Antibodies and antigens for small molecule Metabolites/Chemicals-in Vitro diagnostics (IVD)

Products Introduction

The small molecule Metabolite/Chemical entries, both water-soluble and lipid-soluble, are intended to be used for application in multiple disease detection, prognosis prediction, and metabolomics. Diagnostic chemicals and metabolites, including small peptides, are important biomarkers for evaluating and predicting physiological and Pathological conditions.

For instance, age-related bone loss, leading to osteoporosis, is accelerated by impaired calcium intake and low levels of 25-hydroxyvitamin D (25(OH)D). Reduced production of a significant precursor of vitamin D in the skin and reduced synthesis of active vitamin D metabolite (1,25(OH)2D) in the kidneys cause lower calcium absorption, subsequently, enhanced bone resorption. The calcium-related marker, 25-OH-VD, is useful to monitor the efficacy of anti-osteoporosis treatments and to predict fracture risk.

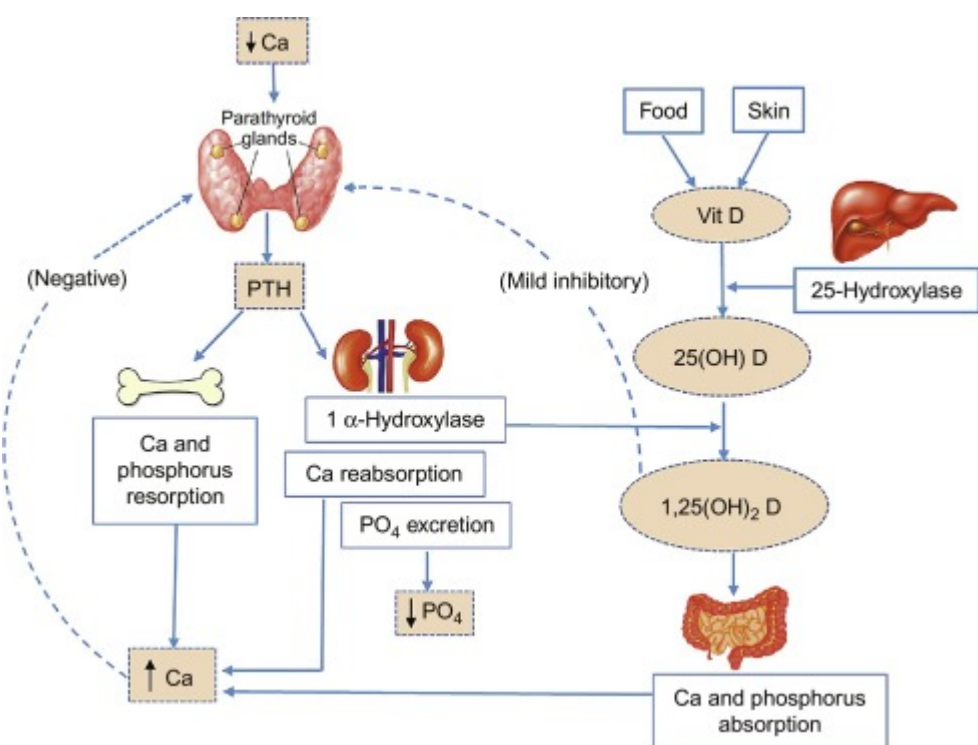


Fig1. Schematic of calcium homeostasis. The solid line represents stimulatory interaction, the dashed line indicates negative feedback. (LuSong, Calcium and Bone Metabolism IndicesAuthor links open overlay panel)

GM-Solution for chemicals diagnostics and small molecule metabolites detection in the human body

GeneMedi Diagnostics Unit (GDU) is developing dynamic solutions for chemicals & metabolites immuno-assay-based rapid detection to improve application sensitivity, specificity, stability, and flexibility. Powered by G-SMSTM platform, GDU's better small molecule biosensors contribute to small molecule metabolites' rapid test application including ELISA test, competitive ELISA, Lateral flow immunoassay (LFA), colloidal gold immunochromatographic assay, Chemiluminescent immunoassay (CLIA), turbidimetric inhibition immuno assay (TINIA), immunonephelometry and POCT.

Antigens for diagnostic chemicals and small molecule metabolites

The small molecule is hapten that hardly induces body immuno-reaction. To me both small molecule diagnosis and small molecule antibody discovery, the hapten-carrier conjugates are more applicable. The hapten-carrier conjugates for diagnostics chemicals and small molecule metabolites are also available in GDU products.

CANCER	INFLAMMATION/AUTOIMMUNE/INFLAMMATORY DISEASE			CARDIOVASCULAR DISEASE		LIVER DISEASES		GASTRIC DISEASE
THYROID DISEASES	METABOLIC DISEASES	HORMONE DISORDERS	VITAMIN DEFICIENCY		EPILEPSY	PAIN	BIOLOGY	



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About G-SMS™

GeneMedi's Small Molecule bioSensors discovery platform for more sensitive, specific and flexible small molecule detection.



Product List

Cancer

Cat No.	Species	Biomarker	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-TFF2	Human	trefoil factor 2 (TFF2)	GMP-SMT-TFF2-Ag01 BSA-trefoil factor 2 (TFF2); GMP-SMT-TFF2-Ag02 OVA-trefoil factor 2 (TFF2)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-trefoil factor 2 (TFF2)], trefoil factor 2 (TFF2) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in TFF2 level test of Cancer (Crohn's disease and inflammatory bowel disease prostate breast, colon and ovarian cancer) and related syndrome evaluation.	GMP-SMT-TFF2-Ab01 Anti-trefoil factor 2 (TFF2) mouse monoclonal antibody(mAb)	Human trefoil factor 2 (TFF2) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in TFF2 level test of Cancer (Crohn's disease and inflammatory bowel disease prostate breast, colon and ovarian cancer) and related syndrome evaluation.	
GMP-SMT-TFF3	Human	trefoil factor 3 (TFF3)	GMP-SMT-TFF3-Ag01 BSA-trefoil factor 3 (TFF3); GMP-SMT-TFF3-Ag02 OVA-trefoil factor 3 (TFF3)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-trefoil factor 3 (TFF3)], trefoil factor 3 (TFF3) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in TFF3 level test of Cancer (gastric cancer) and related syndrome evaluation.	GMP-SMT-TFF3-Ab01 Anti-trefoil factor 3 (TFF3) mouse monoclonal antibody(mAb)	Human trefoil factor 3 (TFF3) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in TFF3 level test of Cancer (gastric cancer) and related syndrome evaluation.	


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Inflammation/autoimmune/inflammatory disease

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

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Cardiovascular disease



Cat No.	Species	Biomarker	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-SAH	Human	S-Adenosylhomocysteine (SAH)	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.	

Cat No.	Species	Biomarker	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-HCY	Human	Homocysteine (HCY)	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.	
GMP-SMT-RAA/Aldo	Human	aldosterone (RAA/Aldo)	GMP-SMT-RAA/Aldo-Ag01 BSA-aldosterone (RAA/Aldo); GMP-SMT-RAA/Aldo-Ag02 OVA-aldosterone (RAA/Aldo)	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.	
GMP-SMT-Digoxin	Human	digoxigenin (Digoxin)	GMP-SMT-Digoxin-Ag01 BSA-digoxigenin (Digoxin); GMP-SMT-Digoxin-Ag02 OVA-digoxigenin (Digoxin)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-digoxigenin (Digoxin)], digoxigenin (Digoxin) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in Digoxin level test of Cardiovascular disease and related syndrome evaluation.	GMP-SMT-Digoxin-Ab01 Anti-digoxigenin (Digoxin) mouse monoclonal antibody(mAb)	Human digoxigenin (Digoxin) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Digoxin level test of Cardiovascular disease and related syndrome evaluation.	
GMP-SMT-HFABP	Human	Human Fatty Acid Binding Protein (HFABP)	GMP-SMT-HFABP-Ag01 BSA-Human Fatty Acid Binding Protein (HFABP); GMP-SMT-HFABP-Ag02 OVA-Human Fatty Acid Binding Protein (HFABP)	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 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.	GMP-SMT-HFABP-Ab01 Anti-Human Fatty Acid Binding Protein (HFABP) mouse monoclonal antibody(mAb)	Human Human Fatty Acid Binding Protein (HFABP) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other 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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Liver diseases

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

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

Cat No.	Species	Biomarker	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-G17	Human	Gastrin 17 (G17)	GMP-SMT-G17-Ag01 BSA-Gastrin 17 (G17); GMP-SMT-G17-Ag02 OVA-Gastrin 17 (G17)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Gastrin 17 (G17)], Gastrin 17 (G17) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in G17 level test of Gastric disease (Chronic atrophic gastritis (CAG)) and related syndrome evaluation.	GMP-SMT-G17-Ab01 Anti-Gastrin 17 (G17) mouse monoclonal antibody(mAb)	Human Gastrin 17 (G17) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in G17 level test of Gastric disease (Chronic atrophic gastritis (CAG)) and related syndrome evaluation.	
GMP-SMT-TFF1	Human	trefoil factor 1 (TFF1)	GMP-SMT-TFF1-Ag01 BSA-trefoil factor 1 (TFF1); GMP-SMT-TFF1-Ag02 OVA-trefoil factor 1 (TFF1)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-trefoil factor 1 (TFF1)], trefoil factor 1 (TFF1) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in TFF1 level test of Gastric disease (Bile Reflux and Gastric Ulcer) and related syndrome evaluation.	GMP-SMT-TFF1-Ab01 Anti-trefoil factor 1 (TFF1) mouse monoclonal antibody(mAb)	Human trefoil factor 1 (TFF1) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in TFF1 level test of Gastric disease (Bile Reflux and Gastric Ulcer) and related syndrome evaluation.	






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Thyroid diseases

Cat No.	Species	Biomarker	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-rT3	Human	Reverse triiodothyronine (rT3)	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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Metabolic diseases








Cat No.	Species	Biomarker	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-25-OH-VD-3/2	Human	25 hydroxyvitamin D (25-OH-VD3+VD2))	GMP-SMT-25-OH-VD-3/2-Ag01 BSA-25 hydroxyvitamin D (25-OH-(VD3+VD2)); GMP-SMT-25-OH-VD-3/2-Ag02 OVA-25 hydroxyvitamin D (25-OH-(VD3+VD2))	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-25 hydroxyvitamin D (25-OH-(VD3+VD2))], 25 hydroxyvitamin D (25-OH-(VD3+VD2)) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in 25-OH-(VD3+VD2) level test of Metabolic diseases (bone fracture, coronary heart disease, cancer, and all-cause mortality) and related syndrome evaluation.	GMP-SMT-25-OH-VD-3/2-Ab01 Anti-25 hydroxyvitamin D (25-OH-(VD3+VD2)) mouse monoclonal antibody(mAb)	Human 25 hydroxyvitamin D (25-OH-(VD3+VD2)) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in 25-OH-(VD3+VD2) level test of Metabolic diseases (bone fracture, coronary heart disease, cancer, and all-cause mortality) and related syndrome evaluation.	
GMP-SMT-25-OH-VD	Human	25-hydroxy (OH) Vitamin (25-OH-VD)	GMP-SMT-25-OH-VD-Ag01 BSA-25-hydroxy (OH) Vitamin (25-OH-VD); GMP-SMT-25-OH-VD-Ag02 OVA-25-hydroxy (OH) Vitamin (25-OH-VD)	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 (osteoporosis and rickets) and related syndrome evaluation.	GMP-SMT-25-OH-VD-Ab01 Anti-25-hydroxy (OH) Vitamin (25-OH-VD) mouse monoclonal antibody(mAb)	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 related syndrome evaluation.	
GMP-SMT-25-OH-VD-3	Human	25-hydroxy (OH) Vitamin D3 (25-OH-VD-3)	GMP-SMT-25-OH-VD-3-Ag01 BSA-25-hydroxy (OH) Vitamin D3 (25-OH-VD-3); GMP-SMT-25-OH-VD-3-Ag02 OVA-25-hydroxy (OH) Vitamin D3 (25-OH-VD-3)	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 level test of Metabolic diseases (osteoporosis and rickets) and related syndrome evaluation.	GMP-SMT-25-OH-VD-3-Ab01 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.	
GMP-SMT-LP-PLA2	Human	Phospholipase A2 (LP-PLA2)	GMP-SMT-LP-PLA2-Ag01 BSA-Phospholipase A2 (LP-PLA2); GMP-SMT-LP-PLA2-Ag02 OVA-Phospholipase A2 (LP-PLA2)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Phospholipase A2 (LP-PLA2)], Phospholipase A2 (LP-PLA2) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in LP-PLA2 level test of Metabolic diseases (atherosclerosis, hyperlipidemia, obesity, and diabetes) and related syndrome evaluation.	GMP-SMT-LP-PLA2-Ab01 Anti-Phospholipase A2 (LP-PLA2) mouse monoclonal antibody(mAb)	Human Phospholipase A2 (LP-PLA2) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in LP-PLA2 level test of Metabolic diseases (atherosclerosis, hyperlipidemia, obesity, and diabetes) and related syndrome evaluation.	
GMP-SMT-RBP4	Human	Retinol binding protein 4 (RBP4)	GMP-SMT-RBP4-Ag01 BSA-Retinol binding protein 4 (RBP4); GMP-SMT-RBP4-Ag02 OVA-Retinol binding protein 4 (RBP4)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Retinol binding protein 4 (RBP4)], Retinol binding protein 4 (RBP4) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in RBP4 level test of Metabolic diseases (obesity, type 2 diabetes, metabolic syndrome, and cardiovascular diseases) and related syndrome evaluation.	GMP-SMT-RBP4-Ab01 Anti-Retinol binding protein 4 (RBP4) mouse monoclonal antibody(mAb)	Human Retinol binding protein 4 (RBP4) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in RBP4 level test of Metabolic diseases (obesity, type 2 diabetes, metabolic syndrome, and cardiovascular diseases) and related syndrome evaluation.	


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Hormone disorders

Cat No.	Species	Biomarker	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-DHEA	Human	dehydroepiandrosterone (DHEA)	GMP-SMT-DHEA-Ag01 BSA-dehydroepiandrosterone (DHEA); GMP-SMT-DHEA-Ag02 OVA-dehydroepiandrosterone (DHEA)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-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.	
GMP-SMT-DEX	Human	Dexamethasone (DEX)	GMP-SMT-DEX-Ag01 BSA-Dexamethasone (DEX); GMP-SMT-DEX-Ag02 OVA-Dexamethasone (DEX)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-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 syndrome evaluation.	GMP-SMT-DEX-Ab01 Anti-Dexamethasone (DEX) mouse monoclonal antibody(mAb)	Human Dexamethasone (DEX) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in DEX level test of Hormone disorders (Cushing's syndrome) and related syndrome evaluation.	
GMP-SMT- Calcitonin	Human	Calcitonin	GMP-SMT- Calcitonin-Ag01 BSA- Calcitonin; GMP-SMT- Calcitonin-Ag02 OVA- Calcitonin	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA- Calcitonin], Calcitonin antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Calcitonin level test of Hormone disorders (thyroid cancer) and related syndrome evaluation.	GMP-SMT- Calcitonin-Ab01 Anti- Calcitonin mouse monoclonal antibody(mAb)	Human Calcitonin binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Calcitonin level test of Hormone disorders (thyroid cancer) and related syndrome evaluation.	
GMP-SMT- Cortisol	Human	Cortisol	GMP-SMT-Cortisol-Ag01 BSA-Cortisol; GMP-SMT-Cortisol-Ag02 OVA-Cortisol	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Cortisol], Cortisol antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Cortisol level test of Hormone disorders (adrenal gland disorder) and related syndrome evaluation.	GMP-SMT-Cortisol-Ab01 Anti-Cortisol mouse monoclonal antibody(mAb)	Human Cortisol binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Cortisol level test of Hormone disorders (adrenal gland disorder) and related syndrome evaluation.	
GMP-SMT- Testosterone	Human	Testosterone	GMP-SMT-Testosterone-Ag01 BSA-Testosterone; GMP-SMT-Testosterone-Ag02 OVA-Testosterone	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-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.	
GMP-SMT-PG	Human	Prostaglandin (PG)	GMP-SMT-PG-Ag01 BSA-Prostaglandin (PG); GMP-SMT-PG-Ag02 OVA-Prostaglandin (PG)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Prostaglandin (PG)], Prostaglandin (PG) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in PG level test of Hormone disorders (acute inflammation) and related syndrome evaluation.	GMP-SMT-PG-Ab01 Anti-Prostaglandin (PG) mouse monoclonal antibody(mAb)	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 evaluation.	
GMP-SMT-EPO	Human	Erythropoetin (EPO)	GMP-SMT-EPO-Ag01 BSA-Erythropoetin (EPO); GMP-SMT-EPO-Ag02 OVA-Erythropoetin (EPO)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-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.	


Cat No.	Species	Biomarker	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Progesterone	Human	Progesterone	GMP-SMT-Progesterone-Ag01 BSA-Progesterone ; GMP-SMT-Progesterone-Ag02 OVA-Progesterone	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Progesterone], Progesterone antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Progesterone level test of Hormone disorders (fertility) and related syndrome evaluation.	GMP-SMT-Progesterone-Ab01 Anti-Progesterone mouse monoclonal antibody(mAb)	Human Progesterone binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Progesterone level test of Hormone disorders (fertility) and related syndrome evaluation.	
GMP-SMT-LH	Human	Luteinizing hormone (LH)	GMP-SMT-LH-Ag01 BSA-Luteinizing hormone (LH) ; GMP-SMT-LH-Ag02 OVA-Luteinizing hormone (LH)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Luteinizing hormone (LH)], Luteinizing hormone (LH) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in LH level test of Hormone disorders (fertility) and related syndrome evaluation.	GMP-SMT-LH-Ab01 Anti-Luteinizing hormone (LH) mouse monoclonal antibody(mAb)	Human Luteinizing hormone (LH) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in LH level test of Hormone disorders (fertility) and related syndrome evaluation.	
GMP-SMT-Prolactin	Human	Prolactin	GMP-SMT-Prolactin-Ag01 BSA-Prolactin ; GMP-SMT-Prolactin-Ag02 OVA-Prolactin	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Prolactin], Prolactin antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Prolactin level test of Hormone disorders (fertility) and related syndrome evaluation.	GMP-SMT-Prolactin-Ab01 Anti-Prolactin mouse monoclonal antibody(mAb)	Human Prolactin binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in Prolactin level test of Hormone disorders (fertility) and related syndrome evaluation.	
GMP-SMT-E1	Human	Estrone (E1)	GMP-SMT-E1-Ag01 BSA-Estrone (E1) ; GMP-SMT-E1-Ag02 OVA-Estrone (E1)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-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.	
GMP-SMT-E2/E3	Human	Estradiol (E2/E3)	GMP-SMT-E2/E3-Ag01 BSA-Estradiol (E2/E3) ; GMP-SMT-E2/E3-Ag02 OVA-Estradiol (E2/E3)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Estradiol (E2/E3)], Estradiol (E2/E3) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests,and other immunoassays as control material in E2/E3 level test of Hormone disorders (Fertility) and related syndrome evaluation.	GMP-SMT-E2/E3-Ab01 Anti-Estradiol (E2/E3) mouse monoclonal antibody(mAb)	Human Estradiol (E2/E3) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in E2/E3 level test of Hormone disorders (Fertility) and related syndrome evaluation.	
GMP-SMT-DES/HES	Human	Diethylstilbestrol/Hexestrol (DES/HES)	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-&OVA-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 evaluation.	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.	
GMP-SMT-Bisphenol-A	Human	Bisphenol A	GMP-SMT-Bisphenol-A-Ag01 BSA-Bisphenol A ; GMP-SMT-Bisphenol-A-Ag02 OVA-Bisphenol A	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-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 carcinogen) and related syndrome evaluation.	GMP-SMT-Bisphenol-A-Ab01 Anti-Bisphenol A mouse monoclonal antibody(mAb)	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 syndrome evaluation.	

Cat No.	Species	Biomarker	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-Thyroxin-T4	Human	Thyroxin T4	GMP-SMT-Thyroxin-T4-Ag01 BSA-Thyroxin T4; GMP-SMT-Thyroxin-T4-Ag02 OVA-Thyroxin T4	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Thyroxin T4], Thyroxin T4 antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Thyroxin T4 level test of Hormone disorders (hyperthyroidism) and related syndrome evaluation.	GMP-SMT-Thyroxin-T4-Ab01 Anti-Thyroxin T4 mouse monoclonal antibody(mAb)	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 syndrome evaluation.	
GMP-SMT-Forchlorfenuron	Human	Forchlorfenuron	GMP-SMT-Forchlorfenuron-Ag01 BSA-Forchlorfenuron; GMP-SMT-Forchlorfenuron-Ag02 OVA-Forchlorfenuron	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Forchlorfenuron], Forchlorfenuron antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in Forchlorfenuron level test of Hormone disorders (food safety) and related syndrome evaluation.	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.	
GMP-SMT-Norethisterone	Human	Norethisterone	GMP-SMT-Norethisterone-Ag01 BSA-Norethisterone; GMP-SMT-Norethisterone-Ag02 OVA-Norethisterone	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-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 syndrome evaluation.	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.	
GMP-SMT-Flugestone-Acetate	Human	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-&OVA-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.	
GMP-SMT-Thyroxin-T3	Human	Thyroxin T3	GMP-SMT-Thyroxin-T3-Ag01 BSA-Thyroxin T3; GMP-SMT-Thyroxin-T3-Ag02 OVA-Thyroxin T3	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-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 evaluation.	GMP-SMT-Thyroxin-T3-Ab01 Anti-Thyroxin T3 mouse monoclonal antibody(mAb)	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.	
GMP-SMT-IGFBP-1	Human	Insulin-like growth factor binding protein 1 (IGFBP-1)	GMP-SMT-IGFBP-1-Ag01 BSA-Insulin-like growth factor binding protein 1 (IGFBP-1); GMP-SMT-IGFBP-1-Ag02 OVA-Insulin-like growth factor binding protein 1 (IGFBP-1)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-Insulin-like growth factor binding protein 1 (IGFBP-1)], Insulin-like growth factor binding protein 1 (IGFBP-1) antibodies binding, Immunogen in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays as control material in IGFBP-1 level test of Hormone disorders (Pregnancy) and related syndrome evaluation.	GMP-SMT-IGFBP-1-Ab01 Anti-Insulin-like growth factor binding protein 1 (IGFBP-1) mouse monoclonal antibody(mAb)	Human Insulin-like growth factor binding protein 1 (IGFBP-1) binding, in Competitive immunoassay validation, Elisa, lateral-flow tests, and other immunoassays in IGFBP-1 level test of Hormone disorders (Pregnancy) and related syndrome evaluation.	
GMP-SMT-TBG	Human	Thyroid Binding Globulin (TBG)	GMP-SMT-TBG-Ag01 BSA-Thyroid Binding Globulin (TBG); GMP-SMT-TBG-Ag02 OVA-Thyroid Binding Globulin (TBG)	Competitive immunoassay-validated hapten-carrier conjugates [BSA-&OVA-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.	

Cat No.	Species	Biomarker	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-FSH	Human	follicle stimulating hormone (FSH)	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-&OVA-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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Vitamin deficiency

Cat No.	Species	Biomarker	Cat No.of Antigen	Bioactivity validation of Antigen	Cat No.of Antibodies	Bioactivity validation of Antibodies	Order
GMP-SMT-FA	Human	folic acid (FA)	GMP-SMT-FA-Ag01 BSA-folic acid (FA); GMP-SMT-FA-Ag02 OVA-folic acid (FA)	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 syndrome evaluation.	GMP-SMT-FA-Ab01 Anti-folic acid (FA) mouse monoclonal antibody(mAb)	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 evaluation.	


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Epilepsy

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


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Pain

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

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Biology

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

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Small molecule antigen & antibody list

Competitive immunoassay-validated anti-Hapten(small molecules, chemicals) antibody against hapten (small molecules, chemicals) and hapten-carrier conjugated competitive antigens(Carrier-coupled antigen,immunogen,hapten-carrier conjugates, BSA-conjugated, OVA-conjugated).

The anti-Hapten antibodies against haptens had been validated with our hapten-carrier conjugates via competitive ELISA test.

GeneMedi offers paired anti-small molecules (Chemicals, Antibiotics , Mycotoxins , Hormones , Drugs of Abuse, etc.) antibodies (monoclonal antibody, mab) and small molecules competitive antigens (Carrier-coupled antigen, immunogen, hapten-carrier conjugates, BSA-conjugated, OVA-conjugated) for the rapid test and diagnostics kit of Growth Promoters, Toxic Heavy Metal, Myotoxins,Nutritions, Food Safety, Pesticides, Drugs of Abuse, Allergen, Antibiotics, Agricultural, Water Contamination and so on.

All our anti-chemicals antibodies and small molecules hapten-carrier conjugates antigens (BSA-conjugated, OVA-conjugated)are suitable for in competitive ELISA, Lateral flow immunoassay (LFIA) and other immunoassays in dignostics and rapid test kit. The carrier-coupled antigens of small molecules can act as immunogens.

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+ ALLERGEN

+ MYCOTOXINS

+ HORMONES
- + DRUGS OF ABUSE

+ TOXIC HEAVY METAL

+ CHEMICALS

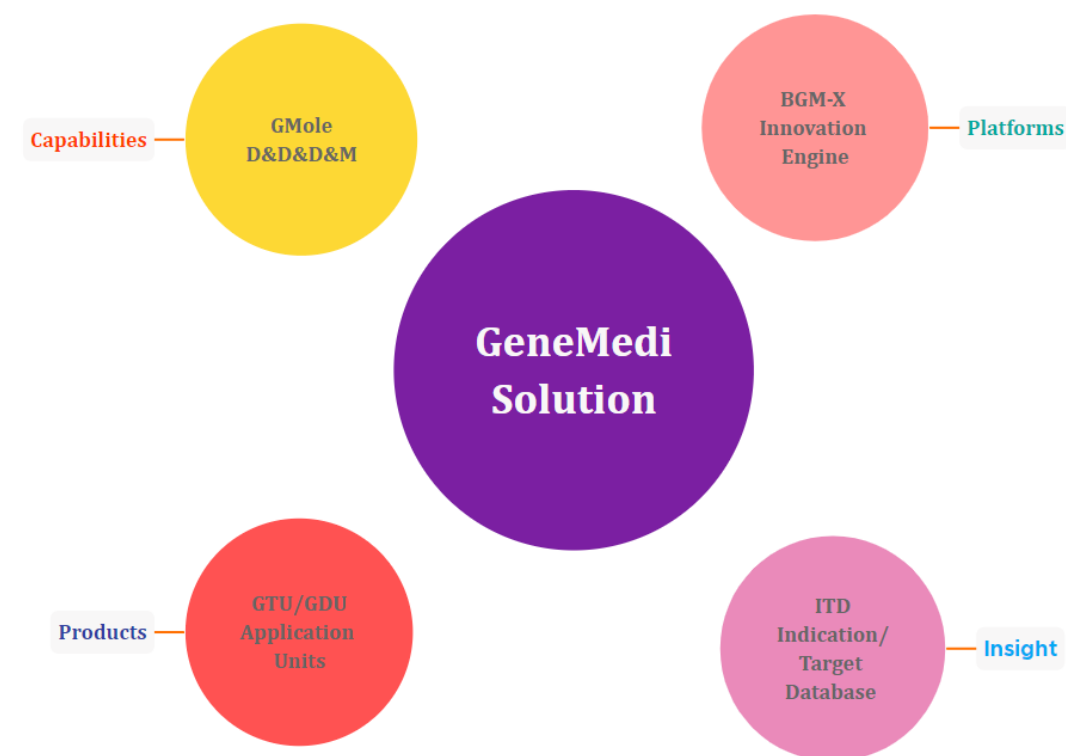
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+ AMINO ACIDS

+ IVD

About GeneMedi

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About GMole™

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About GeneMedi ITD

ITD is GeneMedi's target-insight database that connects human indications/diseases/conditions with associated targets/biomarkers in diagnostics, therapeutics, and prognostics. ITD is a data-driven artificial intelligent system that learns from literature and in-house wet-dry exploration with closed-loop design. GeneMedi ITD target-insight system robustly improves the development efficiency for therapeutics and diagnostics industry solutions.

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