PurProX™ AAVEasy rapid-to-purify Spin Column

Product Instruction Manual

Product Information

Classification	Description
Catalog number	GMV-PurProX-AAVEasy-U-1
Product name	PurProX™ AAVEasy Spin Column

Buffer Configuration

- Binding buffer：1×PBS + 0.35M NaCl + 1×GMXbuffer01, pH7.4
- Elution buffer：0.1 M Glycine + 2mM $MgCl_2$ + 1×GMXbuffer01, pH2.5
- Stripping buffer：0.1 M phosphoric acid + 1×GMXbuffer01, pH2.0
- Neutralization buffer：1M Tris

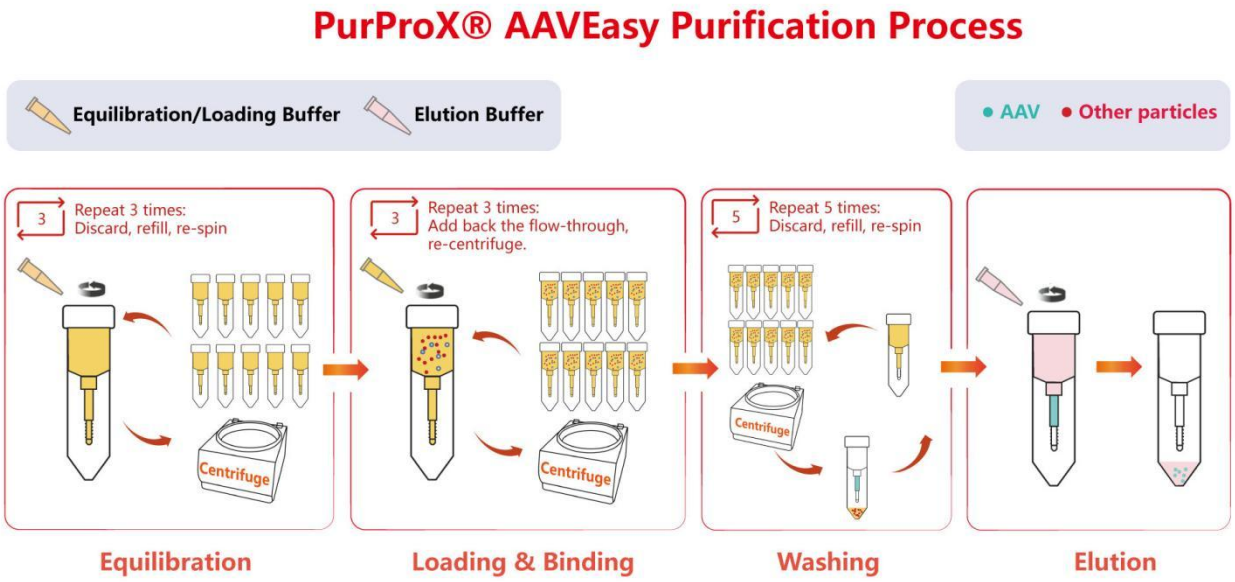
Note：

1、 GeneMedi provides 1000×GMXbuffer01.

2、 Entire purification process was performed at room temperature；

3、 Do not tighten the centrifuge tube cap；

4、 If the filler "flies off" during the purification process, it will not affect the final purification, and you can continue the experimental operation.



Protocol

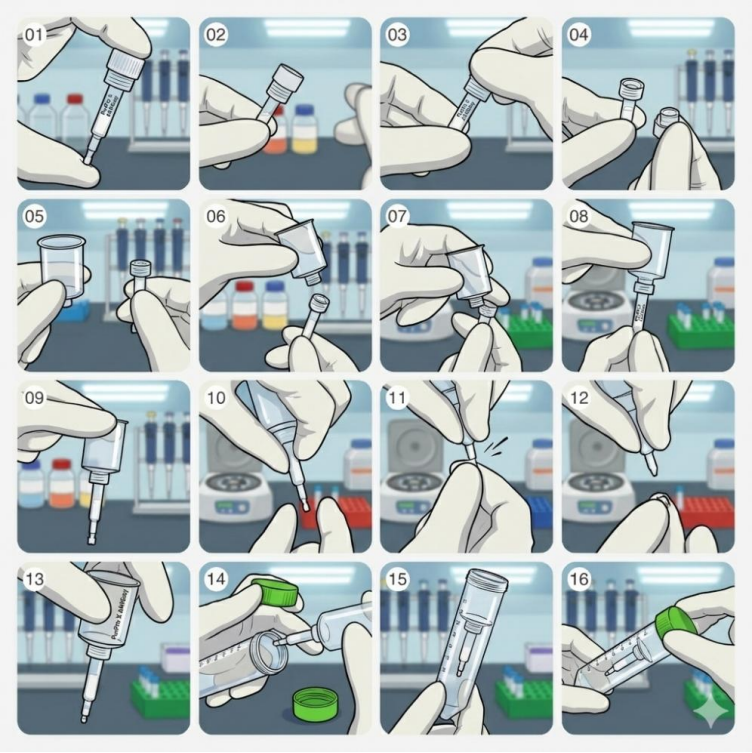
1. Sample processing

1) AAV crude extract (cell lysate after omnipotent enzyme treatment) was centrifuged at 8000 rpm for 10 minutes at room temperature；

2) Take the AAV supernatant after centrifugation and filter it with a 0.22 μ m filter to obtain the AAV to be purified；

2. Column balance

To install the column, please follow the steps below:



Add 5 mL of Binding buffer to the prepared purification column and centrifuge at 100*g for 1 min，Repeat 3 times；

3. Loading

Place the treated AAV to be purified (recommended to dilute to 10 ml with Binding buffer) into the assembled purification column, centrifuge at 100*g for 1 minute at room temperature, then add the liquid in the centrifuge tube back into the purification column, repeat 3 times, and remove the liquid in the centrifuge tube；

4. Cleaning

Add 10 mL of Binding buffer to the purification column, centrifuge at 100*g for 2 minutes, remove the liquid in the centrifuge tube, and repeat 5 times；

5. Elution

1） After cleaning, place in an airtight container at 200*g for 1 minute；

2） Transfer the purification column to a new centrifuge tube, add 0.5 mL of Elution buffer, centrifuge at 100*g for 1 min to elute, do not discard the liquid, then add 0.5 mL of Elution buffer, centrifuge at 100*g for 1 min to obtain the eluate；

3） Quickly transfer the eluate to a 1.5 mL centrifuge tube containing 80 μL of neutralization buffer and mix thoroughly；

Note：After neutralization with neutralization buffer, pH test paper can be used to check whether the pH is neutral. Elution buffer or neutralization buffer can be used for fine-tuning.

6. Column regeneration

1) Add 10 mL of Stripping buffer to the purification column, centrifuge at 100*g for 2 minutes, discard the liquid, and repeat 3 times；

2) Add 10 mL of Binding buffer, centrifuge at 100*g for 2 minutes, discard the liquid, and repeat 2 times；

7. Column preservation

1) Add 10 mL of 2% Phenylmethanol to the purification column, centrifuge at 100*g for 1 min, discard the liquid, and repeat 2 times；

2) Fill the internal sample tube with 2% Phenylmethanol and tighten the lower plug. Storage conditions: 2% Phenylmethanol, 4° C.

Note：After using the product, make sure the filler is completely soaked in 2% Phenylmethanol before storage.

Storage

Storage conditions: 2－8° C.

Shelf life: At least 6 months (6-month stability testing has been completed; long-term stability is being evaluated).