His-tag Protein Purification and Regeneration Kit

Cat No: AKIT-His

Description

His-tag Protein Purification and Regeneration Kit is composed of optimized prefabricated buffer for His-tag protein agarose gel/magnetic bead regeneration.

For custom sizes, formulations or bulk quantities please contact our customer service department.

Website: www.abvigen.com Phone: +1 929-202-3014 Email: info@abvigenus.com

Kit Composition

Buffer A	100 mL
Buffer B	100 mL
Buffer C	100 mL
Buffer D	100 mL

Operation Process

This kit is only used for His-tag protein agarose gel/magnetic bead regeneration, the specific operation process is as follows:

1. His-tag protein agarose gel regeneration

The amount of solution is calculated by the column volume (for example, 5 times the column volume, 1 mL specification corresponds to 5 mL solution, 10 mL specification corresponds to 50 mL solution).

1) Use 5 times column volume deionized water to clean the packing;

2) Use 5 times column volume **buffer A** to clean the packing;

3) Use 10 times column volume deionized water to clean the packing;

4) Use 5 times column volume **buffer B** to clean the packing;

5) Use 10 times column volume deionized water to clean the packing;

6) Use 5 times column volume **buffer C** to peel nickel ions;

7) Use 10 times column volume deionized water to clean the packing;

8) Use 3 ~ 5 times column volume **buffer D** to regenerate nickel;

9) Clean with 10 times column volume deionized water;

10) Use 10 x column volume 1 x PBS balancing filler.

After the gel is regenerated, it can be used immediately, if not used immediately, it is necessary to suspend the gel in an equal volume of 20% ethanol and store it at 2 ~ 8°C.

2. Regeneration of His-tag protein agarose magnetic beads

1) Add 3 times the volume of the magnetic bead deionized water, mix well, clean the magnetic bead, place it on the magnetic rack, magnetic separation, remove the supernant, repeat 2 to 3 times;

2) Add 5 times the volume of magnetic bead **buffer A**, inversely mix it for 5-10 min, and then place it on the magnetic rack for magnetic separation and remove the supernatant;

3) Add 5 times the volume of the magnetic bead deionized water, mix, clean the magnetic bead, place it on the magnetic rack, magnetic separation, remove the supernant, repeat 2 to 3 times;

4) Add 5 times the volume of magnetic bead **buffer B**, inversely mix it for 5~10 min, then place it on the magnetic rack, magnetic separation, and remove the supernatant;

5) Add 5 times the volume of the magnetic bead deionized water, mix, clean the magnetic bead, placed on the magnetic rack, magnetic separation, remove the supernant, repeat 2 to 3 times;

6) Add 5 times the volume of magnetic bead **buffer C**, invert and mix it for 5~10 min, then place it on the magnetic rack, magnetic separation, and remove the supernatant;

7) Add 5 times the volume of the magnetic bead deionized water, mix well, clean the magnetic bead, place it on the magnetic rack, magnetic separation, remove the supernant, repeat 2 to 3 times;

8) Add 3 ~ 5 times the magnetic bead volume **buffer D**, invert and mix it for 10~30 min, place it on the magnetic rack, magnetic separation, and remove the supernatant;

9) Add 5 times the volume of the magnetic bead deionized water, mix well, clean the magnetic bead, place it on the magnetic rack, magnetic separation, remove the supernant, repeat 2 to 3 times;

10) Add 5 times the volume of magnetic beads 1 x PBS balanced magnetic beads, placed on the magnetic rack, magnetic separation, remove the supernatant, repeat 2 ~ 3 times.

After the regeneration of the magnetic bead, it can be used immediately. If it is not used immediately, 20% ethanol should be added to make the total volume equal to the initial suspension volume and stored at 2 to 8°C.

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Ordering Information

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