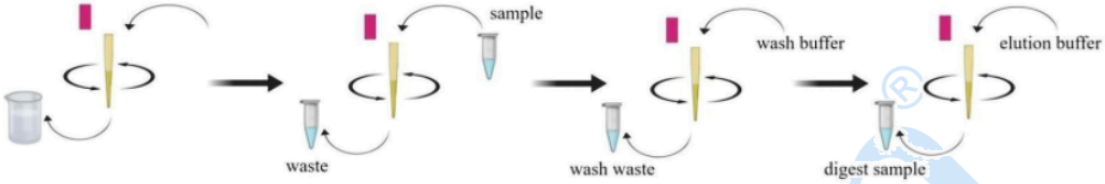
Peptide Desalting Columns (Including Reagents)

P1456352

Storage: Room temperature. Protect from light.

Introduction:

Working principle of the Peptide Desalting Columns (Including Reagents): It distinguishes different substances according to their molecular sizes. Due to the obvious difference in size between salt molecules and the target molecules in the sample (such as proteins), the separation of target molecules from salt molecules can be achieved.



Schematic diagram of the operation process

Product Components and Storage Conditions:

Item Number	Component	96T	Storage
P1456352A	Peptide Desalting Columns (Including Reagents)	96T	RT
H1456342A	Wash buffer 1	35 mL	RT
H1456342B	Wash buffer 2	24 mL	RT
H1456342C	Wash buffer 3	24 mL	RT
H1456342D	Elution buffer	50 mL	RT. Store in the dark.
H1456342E	Loading buffer	2 mL	RT
P1456352B	Collection Tube	30 个	RT

Operating Procedure:

1. Add 320μL of Wash buffer 1 to the sample after enzymatic hydrolysis, shake vigorously for 3 minutes, centrifuge at 15000rpm for 3 minutes, and remove the upper liquid.
2. Transfer the lower layer sample into the Tip column, centrifuge at 2500rpm for 3-5 minutes until all the liquid is centrifuged down. If the liquid flow rate is slow, the rotation speed can be increased.
3. Add 200μL of Wash buffer 2 (shake for 10-20 seconds before use) to the Peptide Desalting Columns, centrifuge at 2500rpm for 3-5 minutes until all the liquid is centrifuged down.
4. Add 200μL of Wash buffer 3 to the Peptide Desalting Columns, centrifuge at 2500rpm for 3-5 minutes until all the liquid is centrifuged down.
5. Put the Peptide Desalting Columns into a new EP tube, add 200μL of Elution buffer to the

Peptide Desalting Columns, centrifuge at 2000rpm for 3-5 minutes until all the liquid is centrifuged down.

6. Repeat step 5, collect the eluates from both times, and freeze-dry them.
7. Add 10μL of Loading buffer, vortex vigorously for 3 minutes, centrifuge at 20000g for 10 minutes, take an appropriate amount of sample for mass spectrometry detection. Taking the HF-X instrument as an example, 0.5-1μg of sample is sufficient for loading.

Precautions and Disclaimer:

1. During the sample loading process, the packing in the Peptide Desalting Columns must be kept moist.
2. If the sample contains a high concentration of salt (such as 2M urea or >100nM sodium bicarbonate), repeat the rinsing step 1-2 times.
3. This product is for one-time use only; multiple uses are not recommended.
4. This product is limited to scientific research use by professional personnel, and must not be used for clinical diagnosis or treatment, nor for food or drugs.