

Extraction Kit S-5000

Table of Contents

Description.....	2
Materials Provided	2
Storage	2
Recommended Use	2
Extraction of Peptide from Plasma	2
Ordering Information	3
Technical Support	3
Guarantee and Limitation of Remedy	3

For Research Use Only

Peninsula Laboratories, Inc.
A Member of the Bachem Group
305 Old County Rd., San Carlos, CA 94070
Tel +1 800 922 1516
 +1 650 592 5392
Fax +1 650 595 4071

Description

This kit provides buffer A, buffer B, and SEP-columns for the extraction of antigen from multiple biological matrices including plasma, serum, urine, and cerebrospinal fluid. One kit has enough components for handling about 50 samples (one per column).

Materials Provided

- Buffer A: 1% trifluoroacetic acid in purified water (Y-1040).
- Buffer B: 60% acetonitrile, 1% trifluoroacetic acid in purified water (Y-1045).
- Sep-Column (50 columns) – C18 sorbent (Y-1000).

Storage

Kit components can be stored at room temperature. The Sep-columns can be kept in its original package and must be stored in a desiccator.

Recommended Use

Extraction of Peptide from Plasma

1. Add an equal amount of buffer A to the plasma. For example, if you are using 1 ml of plasma, acidify with 1 ml of buffer A. Centrifuge at 6,000 g to 17,000 g for 20 minutes at 4 °C. Discard any pellet that may be present.
2. Equilibrate a Sep-column containing 200 mg of C₁₈ (Cat No. Y-1000) by washing with buffer B or buffer D (100% acetonitrile) (1 ml, once) followed by buffer A (3 ml, three times).
3. Load the plasma solution onto the pre-treated Sep-column.

Note: For steps 4 and 5, a light vacuum (10 sec/drop) may be applied to the column.

4. Slowly wash the column with buffer A (3 ml, twice) and discard the wash.
5. Elute the peptide slowly with buffer B (3 ml, once) and collect eluate in a polypropylene tube.
6. Evaporate eluate to dryness using a centrifugal concentrator or by a suitable method;
Ex: Lyophilizer. Recommended to freeze eluate with dry ice/methanol for fastest freeze.

NOTE: This is a generic extraction protocol, which can be used for multiple types of samples. If a better extraction method is found in literature, we encourage the researcher to use it.

Ordering Information

For additional kits or our most current catalog products, please visit our web site at www.bachem.com or call us at:

Tel +1 800 922 1516
+1 650 592 5392
Fax +1 650 595 4071

Technical Support

If you need technical information or assistance with assay procedures, please call our Technical Service Department at (800) 922-1516 or (650) 592-5392. Our staff will be happy to answer your questions about this or any of our other products.

Guarantee and Limitation of Remedy

Peninsula Laboratories, Inc. makes no guarantee of any kind, expressed or implied, which extends beyond the description of the material in this kit, except that these materials and this kit will meet our specifications at the time of delivery. Customer's remedy and Peninsula Laboratories, Inc.'s sole liabilities hereunder are limited at Peninsula Laboratories, Inc.'s option, refund of the purchase price or the replacement of material that does not meet our specifications. By the acceptance of our products, the customer indemnifies and holds Peninsula Laboratories, Inc. harmless against, and assumes all liability for, the consequences of its use or misuse by the customer, its employees or others.