Waters™

アプリケーションノート

Desalting of Peptide Mixture Prior to ESI-MS Analysis

Waters Corporation

This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application brief highlights the analysis of peptide mixture.

Introduction

NEW! OASIS® µELUTION PLATE



Experimental

EST-MS Conditions

Waters Micromass LCT System

Capillary voltage: 2.8 kV

Sample cone voltage: 35 V

Extraction cone voltage: 5 V

Gas flow: 520 and 310 L/h

Peptide mixture prepared by digestion of Cytochrome c by trypsin in 20 mM trisglycine buffer.

OASIS® HLB 96-WELL µELUTION PLATE

Part Number 186001828BA

CONDITION: 200 µL Acetonitrile EQUILIBRATE: 200 µL 0.1% TFA

LOAD:

O.1-O.5 mL of sample in O.1% TFA solution (at 1 mL/min or less, low loading speed prevents breakthrough of peptide)

WASH 1:

800 µL of 0.1% TFA solution (to remove salts)

WASH 2:

200 µL of H₂O

(to remove excess buffer and salts)

ELUTE:

 $50~\mu L$ of 70% ACN using a vacuum manifold (Alternatively, centrifuge plate with 25 μL of 70% ACN)

ANALYZE BY ESI-MS

Reference: M. Gilar, A. Belenky, B. H. Wang, J. Chromatog. A, 921 (2001) 3-13

Refe	ren	ces
------	-----	-----

1. M. Gilar, A. Belenky, B. H. Wang, *J. Chromatog. A*, 921 (2001) 3–13.

Featured Products

WA31764.66, June 2003

© 2022 Waters Corporation. All Rights Reserved.