

## BENCHMARKING, METHOD DEVELOPMENT, AND TROUBLESHOOTING: CYTOCHROME c DIGESTION STANDARD

The Cytochrome c Digestion Standard was prepared by digesting Bovine Heart Cytochrome c (UniProt #P62894) with sequencing-grade trypsin. Recommended for benchmarking system performance, this standard is also used to quality-control test the column.



## Ordering Information

### Cytochrome c Digestion Standard

Description	P/N
Cytochrome c Digestion Standard	186006371

## THERAPEUTIC PEPTIDE METHOD DEVELOPMENT KIT

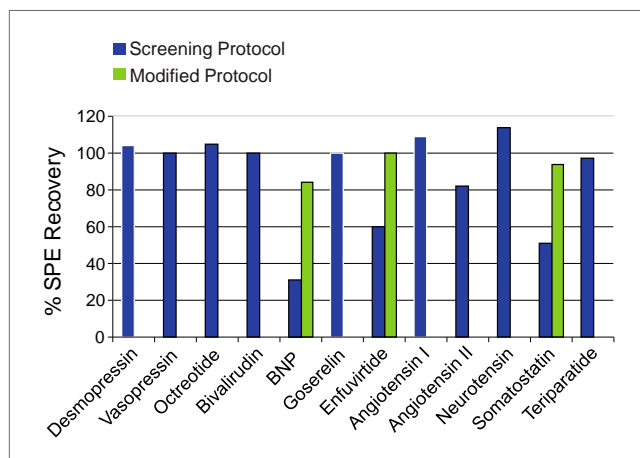
We developed the Therapeutic Peptide Method Development Kit to simplify sample preparation and also for developing LC methods for analyzing therapeutic peptides in plasma. The kit contains an Oasis Peptide  $\mu$ Elution Method Development Plate, a peptide  $C_{18}$ , 300Å reversed-phase column and the detailed screening protocol used to generate data. We also created a comprehensive method development training seminar. The seminar addresses all aspects of the method development process, from MS conditions to the final validation of a method for extracting the peptide Desmopressin from human plasma.

Our peptide columns are quality-control tested using a cytochrome c tryptic digest, helping to ensure batch-to-batch consistency in validated methods. They are ideally suited for separating a wide range of peptides: large and small, acidic and basic, hydrophilic and hydrophobic.

Visit [www.waters.com/pepkit](http://www.waters.com/pepkit) for more information, or contact your local Waters sales office.



### High Recovery of Peptides



The innovative Oasis  $\mu$ Elution Plate format allows for as much as a 15-fold increase in the concentration of sample, increasing the possibility of reaching the required sensitivity levels for bioanalytical assays. The low, 25  $\mu$ L, elution volume eliminates the need for evaporation and reconstitution, significantly reducing the potential loss of analyte by its adsorption to the walls of the collection plate, chemical instability, or both.

## Ordering Information

### Therapeutic Peptide Method Development Kits

Description	Qty./Box	P/N
UPLC Therapeutic Peptide Method Development Kit		176001835
Oasis $\mu$ Elution Method Development Plate	1	186004713
ACQUITY UPLC Peptide BEH $C_{18}$ , 300Å, 1.7 $\mu$ m, 2.1 $\times$ 50 mm Column	1	186003685
96-well 1 mL Collection Plate and Cap Mat	3	600001043
HPLC Peptide Therapeutic Peptide Method Development Kit		176001836
Oasis $\mu$ Elution Method Development Plate	1	186004713
XBridge Peptide BEH $C_{18}$ , 300Å, 3.5 $\mu$ m, 2.1 $\times$ 50 mm Column	1	186003607
96-well 1 mL Collection Plate and Cap Mat	3	600001043

#### Available Waters Products Not Included in Kit:

Oasis MAX 96-well $\mu$ Elution Plate	1	186001829
Oasis WCX 96-well $\mu$ Elution Plate	1	186002499
96-well 1 mL Collection Plate	50	186002481
Cap Mats for 1 mL Collection Plate	50	186002483
Disposable Reservoir Tray	25	WAT058942
Extraction Manifold for 96-well Plates	1	186001831
Vacuum Box Gasket Kit (includes foam top gaskets and orange O-rings)	2	186003522
SPE Vacuum Pump 115 V, 60 Hz	1	725000417
SPE Vacuum Pump 240 V, 50 Hz	1	725000418