

Andrew+ Pipetting Robot for PeptideWorks

SIMPLIFY YOUR PEPTIDE MAPPING SAMPLE PREPARATION

Automation of complex sample preparation procedures can improve accuracy, repeatability, and reproducibility; easing the burden of analytical method validation. Peptide mapping is one of the most complex processes for the routine analysis of therapeutic proteins. Deviations in sample preparation can result in method-induced peptide modifications, over- or under-digestions of the protein, and autolysis of the proteolytic enzyme, each of which complicates data analysis and interpretation. Waters™ PeptideWorks™ Tryptic Protein Digestion Kits with the Andrew+™ Pipetting Robot delivers fast, reliable sample preparation for routine peptide mapping.

- Easy system installation and quick configuration setup with Dominos and Connected Devices
- Rapid sample processing of up to 24 samples with a total execution time of under 3 hours
- Flexible, ready-to-execute PeptideWorks Protocols with optional concentration normalization included
- Compact footprint to use on a typical bench or in most standard hoods

Core System:

Andrew+ the pipetting robot



PeptideWorks Tryptic Digest Start-Up and Column Kit



OneLab design & execute

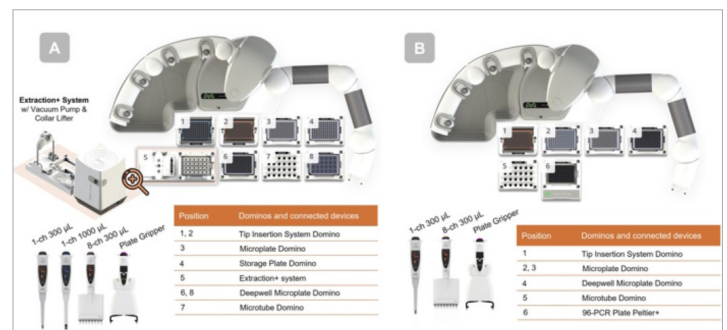
OneLab™ Cloud Library Protocols

PeptideWorks Protocol A: Denaturation, Reduction, and Alkylation

Automated protocol utilizing the PeptideWorks Kit Reagents to denature, reduce, and alkylate the protein. Extraction+ is then used with Waters Sep-Pak™ SEC Desalting Cartridges, 1 cc 5K MWCO for SPE clean-up.

PeptideWorks Protocol B: Digestion

Automated protocol to digest the protein at 37 °C utilizing Waters RapiZyme™ Trypsin and quenched with formic acid. Additional OneLab actions available for concentration normalization of the desalted protein.











Andrew+ deck layouts for the 24-sample automation PeptideWorks procedure. [A] Andrew+ configuration for the PeptideWorks protocol A, 24-samples, with concentration normalization. [B] Andrew+ config. for the PeptideWorks protocol, 24-samples, with concentration normalization.








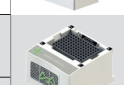

Andrew+ Core Platform		
Product	Description	Part Number
Andrew+ Pipetting Robot	Andrew+ Pipetting Robot, waste base, waste container, power supply, cables, and 1x each single and multi-channel pipette adaptors	176004567
Andrew+ Startup Kit	Intended for all new Andrew+ Systems and includes Dominos, pipette adaptors, and lab kit with consumables for system installation	176004568






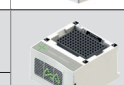
PeptideWorks Kits		
Product	Description	Part Number
PeptideWorks Tryptic Start-Up and Column Kit	PeptideWorks Starter Kit for processing up to 4x 24-sample batches, compatible with the 4 and 24-Sample PeptideWorks Protocols A and B in OneLab and the ACQUITY™ Premier Peptide CSH™ C18 Column	176005310
PeptideWorks Tryptic Protein Digestion Start-Up Kit	PeptideWorks Starter Kit for processing up to 4x 24-sample batches, compatible with the 4 and 24-Sample PeptideWorks Protocols A and B in OneLab	176005311
PeptideWorks Tryptic Protein Digestion Refill Kit	PeptideWorks Refill Kit for processing up to 4x 24-sample batches, compatible with the 4 and 24-Sample PeptideWorks Protocols A and B in OneLab	176005312

Andrew+ Startup Kit 176004568			
Product/Part Number		Product/Part Number	
Pipette Adaptor - Single Channel		Reservoir Domino	
186009590		186009613	
Pipette Adaptor - Multi Channel		50 mL Tube Domino	
186009591		186009614	
Microplate Domino		Microtube Domino	
186009600		186009601	
Tip Insertion Domino (quantity 2)		5 mL Tip Rack Holder Domino	
186009612		186009599	

PeptideWorks (4 Sample) Pipette Bundle 176005343	
Description	Part Number
1-Ch 300 µL Pipette	186009606
1-Ch 1000 µL Pipette	186009766
Single-Ch Adaptor	186009590
Sartorius Tips 5-350 µL	700013297
Sartorius Tips 10-1000 µL	700013298

PeptideWorks (24 Sample) Pipette Bundle 176005342	
Description	Part Number
1-Ch 300 µL Pipette	186009606
1-Ch 1000 µL Pipette	186009766
8-Ch 300 µL Pipette	186009607
Single-Ch Adaptor	186009590
Sartorius Tips 5-350 µL	700013297
Sartorius Tips 10-1000 µL	700013298

PeptideWorks (4 Sample) Domino Bundle 176005345			
Product/Part Number		Product/Part Number	
Microplate Domino		Extraction+ Base Kit with Gripper	
186009600		176005201	
Storage Plate Domino		Extraction+ 1 cc Cartridge Kit	
186009596		176005204	
Deepwell Microplate Domino (quantity 2)		96-PCR Plate Peltier+	
186009597		176004584	
50 mL Conical Centrifuge Tube Domino			
186009612			

PeptideWorks (24 Sample) Domino Bundle 176005344			
Product/Part Number		Product/Part Number	
Microplate Domino		Extraction+ Base Kit with Gripper	
186009600		176005201	
Storage Plate Domino		Extraction+ 1 cc Cartridge Kit	
186009596		176005204	
Deepwell Microplate Domino (quantity 2)		96-PCR Plate Peltier+	
186009597		176004584	

Andrew+ Licenses

Product	Description	Part Number
Andrew+ Lifetime License	Lifetime license to connect Andrew+ to your OneLab Cloud account	176004572

OneLab Software Deployment Options

Product	Description	Part Number
SaaS	OneLab is hosted in the cloud by Waters	N/A
Enterprise - 10 users	OneLab is installed on a server in the customer network	667006628
Enterprise - 25 users	OneLab is installed on the server in the customer network	667006629
Stand-alone Server	Optional stand-alone OneLab Server for non-cloud deployment	176004571

Service, Training, and Warranty

Product	Description	Part Number
Installation and Training	On-site installation and familiarization training performed by a Waters service engineer	176600007
Warranty	FlexCHOICE Warranty for up to 24 months	Contact sales