

PeptideWorks Ordering Guide

Flexible kit options for tryptic protein digestions with or without denaturation, reduction and alkylation depending on your needs. Streamline peptide mapping with one comprehensive kit for manual or automated workflows and eliminate the need to source multiple reagents.



ORDERING INFORMATION

Product Name	PeptideWorks™ Tryptic Start-Up and Column Kit	PeptideWorks Tryptic Protein Digestion Start-Up Kit	PeptideWorks Tryptic Protein Digestion Refill Kit
P/N	176005310	176005311	176005312
Product description and uses	This starter kit includes everything needed for protein denaturation, reduction, alkylation, desalting cartridges/stand, tryptic enzymatic digestion with RapiZyme™ Trypsin and ACQUITY™ Premier Peptide CSH™ C ₁₈ Column.	This starter kit includes everything needed for protein denaturation, reduction, alkylation, desalting cartridges/stand, and tryptic enzymatic digestion with RapiZyme Trypsin.	This refill kit includes the protein denaturation, reduction, alkylation, desalting cartridges, and tryptic enzymatic digestion with RapiZyme Trypsin in order to supplement either p/n 176005310 or 176005311 .
Feature and benefits	PeptideWorks™ Tryptic Protein Digestion Kits can uniquely deliver automatable, high efficiency, and reproducible protein digestion in under 2.5 hours resulting in 78% reduction in missed cleavages, and 98% reduction in contaminating autolysis peaks with a procedure that is 4x faster than average home-brew methods.		
Components <i>minimum 4 samples up to 96 samples at a time (if needed)</i>	<ul style="list-style-type: none"> ■ (2) Guanidine Hydrochloride, (GuHCl) 5.7 g <i>(each can run ~ 48 samples)</i> ■ (8) Dithiothreitol (DTT) 16 mg <i>(each can run ~ 12 samples)</i> ■ (8) Iodoacetamide (IAM) 53 mg <i>(each can run ~ 12 samples)</i> ■ Sep-Pak™ SEC Desalting Cartridge 1 cc Start-Up Kit <ul style="list-style-type: none"> - (12) 8/pk Sep-Pak SEC Desalting Cartridges <i>(96 cartridges total)</i> - (1) 1 cc Cartridge Stand ■ (2) 1 M CaCl₂ Salt Concentrate <i>(each can run ~ 48 samples)</i> ■ (4) RapiZyme Trypsin <i>(each can run ~ 24 samples at 1:5 E:P ratio)</i> ■ Extra <ul style="list-style-type: none"> - (1) ACQUITY Premier Peptide CSH C₁₈, 2.1 x 150 mm, 1.7 μm Column 	<ul style="list-style-type: none"> ■ (2) Guanidine Hydrochloride, (GuHCl) 5.7 g <i>(each can run ~ 48 samples)</i> ■ (8) Dithiothreitol (DTT) 16 mg <i>(each can run ~ 12 samples)</i> ■ (8) Iodoacetamide (IAM) 53 mg <i>(each can run ~ 12 samples)</i> ■ Sep-Pak SEC Desalting Cartridge 1 cc Start-Up Kit <ul style="list-style-type: none"> - (12) 8/pk Sep-Pak SEC Desalting Cartridges <i>(96 cartridges total)</i> - (1) 1 cc Cartridge Stand ■ (2) 1 M CaCl₂ Salt Concentrate <i>(each can run ~ 48 samples)</i> ■ (4) RapiZyme Trypsin <i>(each can run ~ 24 samples at 1:5 E:P ratio)</i> 	<ul style="list-style-type: none"> ■ (2) Guanidine Hydrochloride, (GuHCl) 5.7 g <i>(each can run ~ 48 samples)</i> ■ (8) Dithiothreitol (DTT) 16 mg <i>(each can run ~ 12 samples)</i> ■ (8) Iodoacetamide (IAM) 53 mg <i>(each can run ~ 12 samples)</i> ■ (12) 8/pk Sep-Pak SEC Desalting Cartridges <i>(96 cartridges total)</i> ■ (2) 1 M CaCl₂ Salt Concentrate <i>(each can run ~ 48 samples)</i> ■ (4) RapiZyme Trypsin <i>(each can run ~ 24 samples at 1:5 E:P ratio)</i>
Storage temperature	<ul style="list-style-type: none"> ■ RapiZyme Trypsin store at -20 °C ■ GuHCl, DTT, IAM, and 1 M CaCl₂ store at 2–8 °C ■ Sep-Pak Desalting Cartridges store at room temperature (≤ 25 °C) 		
Shelf-life of unopened products	<ul style="list-style-type: none"> ■ Lyophilized RapiZyme Trypsin has shelf-life of 2 years when stored at -20 °C ■ GuHCl, DTT, IAM and 1 M CaCl₂ have a shelf-life of 2 years when stored at 2–8 °C ■ Sep-Pak Desalting Cartridges have a shelf-life of 11 months when stored at room temperature (≤ 25 °C) 		
Care & Use Manual	<ul style="list-style-type: none"> ■ PeptideWorks Tryptic Protein Digestion Kits C&U Manual ■ Sep-Pak SEC Desalting Cartridge C&U Manual 		

Product Name	PeptideWorks Tryptic Protein Digestion Start-Up <i>without unfolding</i>	PeptideWorks Tryptic Protein Digestion Refill Kit <i>without unfolding</i>
P/N	176005308	176005309
Product description and uses	This starter kit includes everything needed for customers wanting to use their own unfolding reagents. The kit provides desalting cartridges/stand and tryptic enzymatic digestion with RapiZyme Trypsin.	This refill kit includes everything needed for customers wanting to use their own unfolding reagents. The kit provides desalting cartridges and tryptic enzymatic digestion with RapiZyme Trypsin to supplement p/n 176005308 .
Feature and benefits	PeptideWorks Tryptic Protein Digestion Kits can uniquely deliver automatable, high efficiency, and reproducible protein digestion in under 2.5 hours resulting in 78% reduction in missed cleavages, and 98% reduction in contaminating autolysis peaks with a procedure that is 4x faster than average home-brew methods.	
Components <i>minimum 4 samples up to 96 samples at a time (if needed)</i>	<ul style="list-style-type: none"> ■ Sep-Pak SEC Desalting Cartridge 1 cc Start-Up Kit <ul style="list-style-type: none"> - (12) 8/pk Sep-Pak SEC Desalting Cartridges (96 cartridges total) - (1) 1 cc Cartridge Stand ■ (2) 1 M CaCl₂ Salt Concentrate (each can run ~ 48 samples) ■ (4) RapiZyme Trypsin (each can run ~ 24 samples at 1:5 E:P ratio) 	<ul style="list-style-type: none"> ■ (12) 8/pk Sep-Pak SEC Desalting Cartridges (96 cartridges total) ■ (2) 1 M CaCl₂ Salt Concentrate (each can run ~ 48 samples) ■ (4) RapiZyme Trypsin (each can run ~ 24 samples at 1:5 E:P ratio)
Storage temperature	<ul style="list-style-type: none"> ■ RapiZyme Trypsin store at -20 °C ■ 1 M CaCl₂ store at 2–8 °C ■ Sep-Pak Desalting Cartridges store at room temperature (≤ 25 °C) 	
Shelf-life of unopened products	<ul style="list-style-type: none"> ■ Lyophilized RapiZyme Trypsin has shelf-life of 2 years when stored at -20 °C ■ 1 M CaCl₂ shelf-life is 2 years when stored at 2–8 °C ■ Sep-Pak Desalting Cartridges have shelf-life of 11 months when stored at room temperature (≤ 25 °C) 	
Care & Use Manual	<ul style="list-style-type: none"> ■ PeptideWorks Tryptic Protein Digestion Kits C&U Manual ■ Sep-Pak SEC Desalting Cartridge C&U Manual 	



Please note: Product image above is for PeptideWorks Tryptic Start-Up and Column Kit p/n 176005310.

PeptideWorks Supplemental Components

Product Name	Product Description and uses	Components	P/N
Sep-Pak SEC Desalting Cartridge 1 cc Start-Up Kit	Desalting cartridge to remove guanidine and excess reagents and cartridge stand.	<ul style="list-style-type: none"> ■ (12) 8/pk Sep-Pak SEC Desalting Cartridges <i>(96 cartridges total)</i> ■ (1) 1cc Cartridge Stand 	186010126
Sep-Pak SEC Desalting Cartridges 1 cc 5 K MWCO	Desalting cartridge to remove guanidine and excess reagents.	<ul style="list-style-type: none"> ■ (12) 8/pk Sep-Pak SEC Desalting Cartridges <i>(96 cartridges total)</i> 	186010127
1 cc Cartridge Stand	Cartridge Stand to hold desalt cartridges for gravity-assisted flow.	<ul style="list-style-type: none"> ■ (1) 1 cc Cartridge Stand 	186010128
Guanidine Hydrochloride, (GuHCl) 5.7 g, 1/pk	Protein denaturant to unfold.	<ul style="list-style-type: none"> ■ (1) Guanidine Hydrochloride, (GuHCl) 5.7 g <i>(each can run ~ 48 samples)</i> 	186010606
Dithiothreitol, (DTT) 16 mg, 8/pk	Reducing agent, used to disrupt disulfide bonds between cysteine residues.	<ul style="list-style-type: none"> ■ (8) Dithiothreitol (DTT) 16 mg <i>(each can run ~ 12 samples)</i> 	186010603
Iodoacetamide, (IAM) 53 mg, 8/pk	Alkylating agent, used to prevent disulfide bond reformation.	<ul style="list-style-type: none"> ■ (8) Iodoacetamide (IAM) 53 mg <i>(each can run ~ 12 samples)</i> 	186010605
RapiZyme Trypsin, MS Grade, 1/pk	Enzyme to cleave peptides at lysine and arginine residues.	<ul style="list-style-type: none"> ■ (1) RapiZyme Trypsin <i>(each can run ~ 24 samples at 1:5 E:P ratio)</i> 	186010106
RapiZyme Trypsin, MS Grade, 4/pk		<ul style="list-style-type: none"> ■ (4) RapiZyme Trypsin <i>(each can run ~ 24 samples at 1:5 E:P ratio)</i> 	186010108
Storage Temp	<ul style="list-style-type: none"> ■ RapiZyme Trypsin store at -20 °C ■ GuHCl, DTT, IAM store at 2-8 °C ■ Sep-Pak Desalting Cartridges store at room temperature (≤ 25 °C) 		
Shelf-life of unopened products	<ul style="list-style-type: none"> ■ Lyophilized RapiZyme Trypsin has shelf-life of 2 years when stored at -20 °C ■ GuHCl, DTT, IAM have a shelf-life of 2 years when stored at 2-8 °C ■ Sep-Pak Desalting Cartridges have a shelf-life of 11 months when stored at room temperature (≤ 25 °C) 		
Care & Use Manual	<ul style="list-style-type: none"> ■ PeptideWorks Tryptic Protein Digestion Kits C&U Manual ■ Sep-Pak SEC Desalting Cartridge C&U Manual 		

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