

LC AND LC-MS CHEMISTRY CONSUMABLES FOR BIOSEPARATIONS

Peptide Analysis

		Dependability	Flexibility	Performance
Reversed-Phase Columns <i>For preparative column options, visit waters.com</i>	■ ACQUITY™ UPLC™ and ACQUITY Premier Peptide CSH C ₁₈ , 130 Å			X
	■ ACQUITY UPLC and ACQUITY Premier Peptide BEH C ₁₈ , 130 Å			X
	■ ACQUITY UPLC and ACQUITY Premier Peptide BEH C ₁₈ , 300 Å			X
	■ ACQUITY UPLC and ACQUITY Premier Peptide HSS T3, 100 Å			X
	■ XSelect™ Peptide CSH C ₁₈ , 130 Å	X	X	
	■ XBridge™ Peptide BEH C ₁₈ , 130 Å	X	X	
	■ XBridge Peptide BEH C ₁₈ , 300 Å	X	X	
	■ XSelect Peptide HSS T3, 100 Å	X	X	
	■ Symmetry300 C ₁₈ , 300 Å	X	X	
	■ Symmetry300 C ₄ , 300 Å	X	X	
Size-Exclusion Columns	■ Delta-Pak C ₁₈ , 100 Å and 300 Å	X	X	
	■ Delta-Pak C ₄ , 100 Å and 300 Å	X	X	
Ion-Exchange Columns	■ ACQUITY UPLC Protein BEH SEC, 125 Å			X
	■ XBridge Protein BEH SEC, 125 Å	X	X	
Standards and Reagents	■ Protein-Pak Hi Res Q, SP, and CM	X	X	X
	■ BioSuite Q, DEAE, SP, and CM	X	X	
	■ RapiGest™ SF Surfactant	X	X	X
	■ IonHance™ Difluoroacetic Acid	X	X	X
	■ mAb Tryptic Digestion Standard	X	X	X
	■ mAb Subunit Standard	X	X	X
	■ MassPREP Protein Digestion Standard	X	X	X
	■ MassPREP Peptide Standard	X	X	X
	■ MassPREP Phosphopeptide Standard	X	X	X
	■ Cytochrome c Digestion Standard	X	X	X
	■ BEH125 SEC Protein Standard Mix	X	X	X
	■ Quantitative Peptide Analysis Standard	X	X	X
	■ IEX Cation Test Standard	X	X	X
	■ IEX Anion Test Standard	X	X	X

Protein Analysis

		Dependability	Flexibility	Performance
Reversed-Phase Columns	■ ACQUITY UPLC Protein BEH C ₄ , 300 Å			X
	■ BioResolve™ RP mAb Polyphenyl, 450 Å	X	X	X
	■ MassPREP Micro Desalting			X
	■ XBridge Protein BEH C ₄ , 300 Å	X	X	
	■ Delta-Pak C ₄ , 300 Å	X	X	
	■ MassPREP On-Line Desalting	X	X	
	■ BioSuite pPhenyl	X	X	
	■ Symmetry300 C ₄	X	X	
Size-Exclusion Columns	■ ACQUITY Premier Protein SEC, 250 Å			X
	■ ACQUITY UPLC Protein BEH SEC, 125 Å			X
	■ ACQUITY UPLC Protein BEH SEC, 200 Å			X
	■ ACQUITY UPLC Protein BEH SEC, 450 Å			X
	■ BioResolve SEC mAb, 250 Å	X	X	X
	■ XBridge Premier Protein SEC, 250 Å	X	X	X
	■ XBridge Protein BEH SEC, 125 Å	X	X	
	■ XBridge Protein BEH SEC, 200 Å	X	X	
	■ XBridge Protein BEH SEC, 450 Å	X	X	
Ion-Exchange Columns	■ BioSuite UHR, HR, and SEC	X	X	
	■ BioResolve SCX mAb	X	X	X
	■ Protein-Pak Hi Res Q, SP, and CM			X
	■ Protein-Pak HR Q, DEAE, SP, and CM (glass)	X	X	
Hydrophobic-Interaction Columns	■ BioSuite Q, DEAE, SP, and CM	X	X	
	■ Protein-Pak Hi Res HIC	X	X	X
Standards and Reagents	■ BioSuite Phenyl HIC	X	X	
	■ MassPREP Protein Standard Mix	X	X	X
	■ BEH125 SEC Protein Standard Mix	X	X	X
	■ BEH200 SEC Protein Standard Mix	X	X	X
	■ BEH450 SEC Protein Standard Mix	X	X	X
	■ IEX Anion Test Standard	X	X	X
	■ IEX Cation Test Standard	X	X	X
	■ HIC Protein Standard Mix	X	X	X
	■ Intact mAb Mass Check Standard	X	X	X
	■ mAb Size Variant Standard	X	X	X
	■ mAb Subunit Standard	X	X	X
	■ mAb Charge Variant Standard	X	X	X
	■ RapiGest SF Surfactant	X	X	X
	■ IonHance Difluoroacetic Acid	X	X	X
	■ IonHance CX-MS pH Buffers	X	X	X
	■ BioResolve CX pH Buffer Concentrates	X	X	X

Amino Acid Analysis

		Dependability	Flexibility	Performance
Reversed-Phase Columns	■ AccQ-Tag™ Ultra C ₁₈			X
	■ AccQ-Tag C ₁₈	X		
Standards, Reagents, and Kits	■ AccQ-Tag Ultra Derivatization Kit (Manual Kit - 250 analyses; Automation Kit - 96 analyses)			X
	■ AccQ-Tag Derivatization Kit - (250 analyses)	X		
	■ Amino Acid Standards (Hydrolysate/Cell Culture/Food & Feed)	X	X	X
	■ Amino Acid Internal Standard (Nva)	X	X	X
	■ AccQ-Tag Eluents	X		
	■ AccQ-Tag Ultra Eluents			X
	■ AccQ-Tag Ultra Borate Buffer, 10 mL	X	X	X
	■ AccQ-Tag Ultra Cell Culture Tecan or Hamilton Script Starter Kit	X	X	X

Oligonucleotide Analysis

		Dependability	Flexibility	Performance
Reversed-Phase Columns	■ ACQUITY UPLC and ACQUITY Premier Oligonucleotide BEH C ₁₈ , 130 Å			X
	■ XBridge Oligonucleotide BEH C ₁₈ , 130 Å	X	X	
Ion-Exchange Columns	■ Protein-Pak Hi Res Q	X	X	X
	■ Gen-Pak FAX	X	X	
Standards and Reagents	■ MassPREP Oligonucleotide Standard	X	X	X

Glycan and Glycoprotein Analysis

		Dependability	Flexibility	Performance
Hydrophilic-Interaction Columns	■ ACQUITY UPLC and ACQUITY Premier Glycan BEH Amide, 130 Å			X
	■ ACQUITY Premier Glycan BEH C ₁₈ AX, 95 Å			X
	■ ACQUITY UPLC and ACQUITY Premier Glycoprotein BEH Amide, 300 Å			X
	■ XBridge and XBridge Premier Glycan BEH Amide, 130 Å	X	X	
	■ XBridge and XBridge Premier Glycan BEH C ₁₈ AX, 95 Å	X	X	
Standards, Reagents, and Kits	■ Glycoprotein Performance Test Standard			X
	■ GlycoWorks™ RapiFluor-MS™ N-Glycan Kit (96 sample, 24 sample, and automation kits)	X	X	X
	■ GlycoWorks Phosphoglycan SPE Buffer	X	X	X
	■ GlycoWorks SPE Reagents (96 sample and automation)	X	X	X
	■ Glycan Ammonium Formate Solution (50 mM mobile phase concentrate)	X	X	X
	■ IonHance Glycan C ₁₈ AX 1 M Ammonium Formate	X	X	X
	■ RapiFluor-MS and 2-AB Glycan Performance Test Standards	X	X	X
	■ RapiFluor-MS, 2-AB, and 2-AA Dextran Calibration Ladders	X	X	X
	■ RapiFluor-MS High Mannose and Sialylated Performance Test Standards	X	X	X
	■ RapiFluor-MS Quantitative Standard	X	X	X
	■ RapiFluor-MS Intact mAb Standard	X	X	X

Designed and QC tested with relevant biomolecules to help ensure consistency.

[waters.com/Biosep](https://www.waters.com/Biosep)

Vials Selection

[waters.com/VialsSelector](https://www.waters.com/VialsSelector) [waters.com/QuanRecovery](https://www.waters.com/QuanRecovery)

LC Solutions

DEPENDABILITY

Accurate analysis for all.



HPLC Technology

- Dispersion: ≤30 µL
- Columns: ≥4.6 mm I.D., ≥3.5 µm particles
- Recommended column: 4.6 mm I.D., 3.5-5.0 µm particles
- Typical operating pressure: <9500 psi

FLEXIBILITY

Adaptable to your sample complexity.



HPLC/UHPLC Technology

- Dispersion: ≤30 µL
- Columns: ≥3.0 mm I.D., ≥2.5 µm particles
- Recommended column: 3.0 mm I.D., 2.5-5.0 µm particles
- Typical operating pressure: <9500 psi

PERFORMANCE

The very best in chromatography.



UHPLC/UPLC Technology

- Dispersion: ≤12 µL
- Columns: ≥2.1 mm I.D., ≥1.6 µm particles
- Recommended column: 2.1 mm I.D., sub-2-µm particles
- Typical operating pressure: <15,000 psi

Manufacturer of Chromatographic Media

- Waters maintains a Quality Management System in compliance with ISO 9001.
- Waters owns and controls every step of the process; from raw materials to final product (few suppliers are capable of doing this). Understanding and controlling the processes makes the difference in product performance in your laboratory.

Waters

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