

AccQ-Tag Amino Acid Analysis Using HPLC

The HPLC-based, AccQ-Tag method requires the same pre-column derivatization step as used in the AccQ-Tag Ultra method. The AccQ-Fluor™ reagent, 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate (AQC), derivatizes primary and secondary amines in a simple, single-step reaction that yields highly stable fluorescent adducts. Waters offers the AccQ-Tag method as a system package consisting of pre-packaged reagents and extensive documentation.

The AccQ-Tag Chemistry Package contains the items needed to perform as many as 250 amino acid analyses of protein and peptide hydrolysates.

AccQ-Tag Derivatization Kit

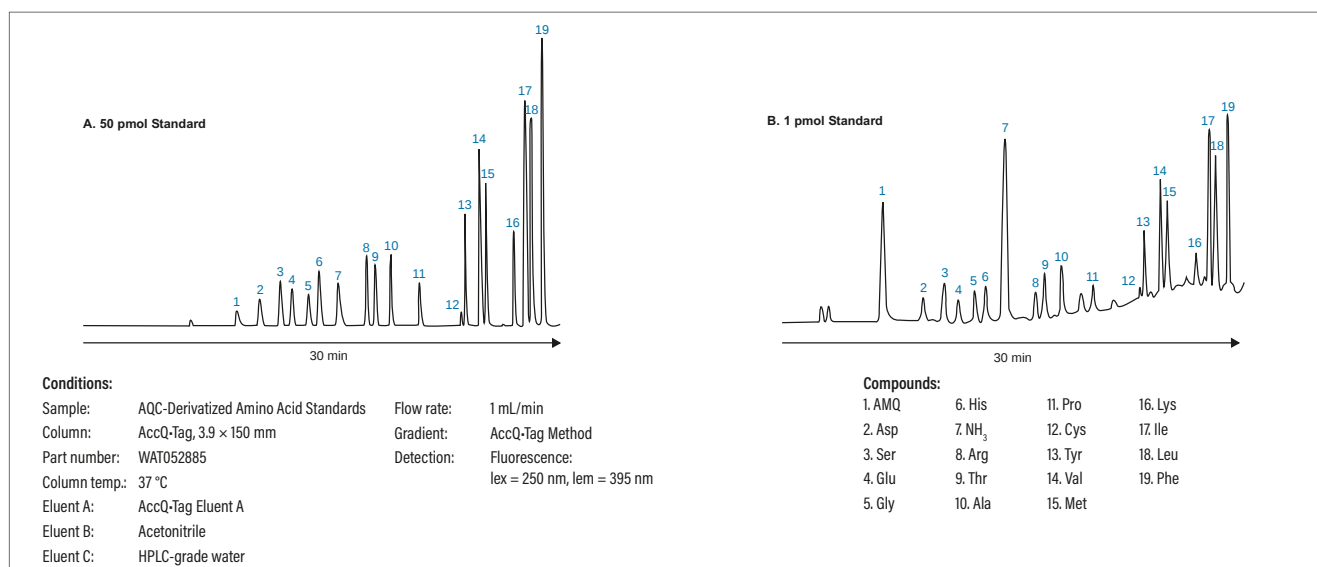
The AccQ-Tag derivatization kit contains five sets of the derivatizing reagents. Each set includes one vial of the following items:

- AccQ-Fluor borate buffer—Added to samples, the borate buffer ensures the optimum pH for derivatization
- AccQ-Fluor reagent powder—6-aminoquinolyl-N-hydroxysuccinimidyl carbamate (AQC), shipped dry, for maximum stability
- AccQ-Fluor reagent diluent—The acetonitrile diluent is used to reconstitute the reagent for derivatization

AccQ-Tag Amino Acid Analysis Column

The AccQ-Tag C₁₈ Column is a high-efficiency HPLC column that is tested and certified for use specifically in the AccQ-Tag method. This column separates the amino acid derivatives produced by the AccQ-Fluor derivatization reaction.

AccQ-Tag Analysis of Hydrolysate Amino Acids Using p/n: WAT088122



Application of the AccQ-Tag method to the analysis of hydrolysate amino acids is illustrated. The high-purity reagents provided in the AccQ-Tag Chemistry Package minimize background amino acid content (6-aminoquinoline, or AMQ), making high-sensitivity analysis possible.

Ordering Information

AccQ-Tag Amino Acid Analysis Kits and Accessories for HPLC and UHPLC AAA Analysis

Description	Qty.	P/N
AccQ-Tag Chemistry Kit		WAT052875
Kit for up to 250 analyses includes:		
AccQ-Fluor Reagent 1	5 × 6 mL	
AccQ-Fluor Reagent 2A	5 × 3 mg	
AccQ-Fluor Reagent 2B	5 × 3 mL	
AccQ-Tag C ₁₈ Column, 3.9 × 150 mm		
AccQ-Tag Eluent A, Concentrate	2 × 1 L	
Sample Tubes	4 × 72/pkg	
Amino Acid Standard, Hydrolysate	10 × 1 mL	
AccQ-Tag User Guide		
Amino Acid Standard, Hydrolysate		
A standard mixture containing 18 amino acids (17 hydrolysate amino acids, each at 2.5 mM concentration and cystine at 1.25 mM concentration).	10 × 1 mL	WAT088122
AccQ-Tag Eluent A Concentrate	1 L	WAT052890
AccQ-Tag Eluent B	1 L	WAT052895
AccQ-Fluor Reagent Kit		WAT052880
Kit includes:		
AccQ-Fluor Reagent 1	5 × 6 mL	
AccQ-Fluor Reagent 2A	5 × 3 mg	
AccQ-Fluor Reagent 2B	5 × 4 mL	
The components of this kit are not available separately		
AccQ-Tag C ₁₈ , 3.9 × 150 mm Column		WAT052885
AccQ-Tag User Guide		WAT052874