

Amino acid analyzer



Automated analysis of amino acids

Amino acid analysis made easy

The amino acid analyzer is an automated system for the highly accurate determination of amino acids. Reliable routine measurements and flexible tests for method development can both be performed on this equipment.

Highlights

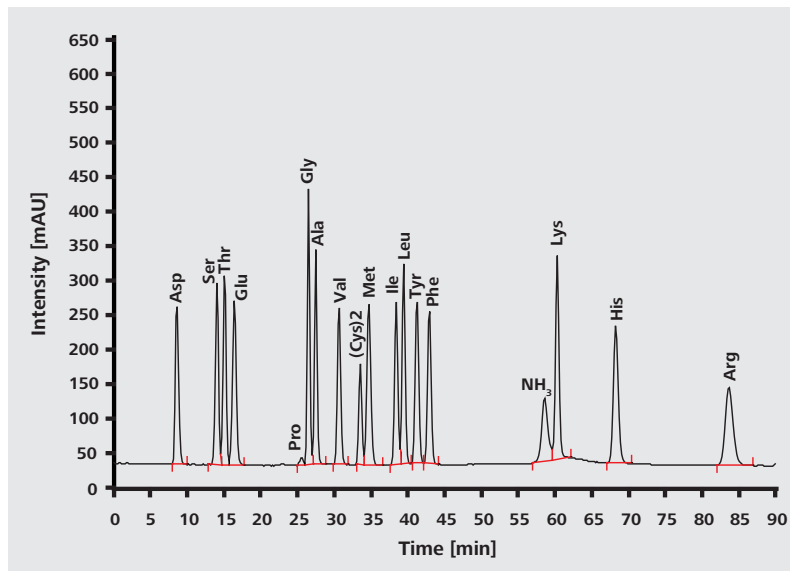
- Robust analysis of up to 44 amino acids in a wide variety of sample matrices
- Standardized methods based on VIS detection after derivatization with ninhydrin in accordance with USP <1052>
- Completely automated analyzer with cooling option for up to 384 samples
- Entirely metal-free system for the analysis of biologically active samples
- High detection sensitivity
- Also suitable for analyzing anions and cations



Robust and precise

Do you want to analyze amino acids? Do you have to comply with the test methods listed in the pharmacopoeias, e.g. USP <1052> (Method 1)? By combining

the 943 Professional Reactor Vario and the 947 Professional UV/VIS Detector Vario you can work precisely and accurately in compliance with the standards.



Amino acids (0.5 mmol/L; 18 components). Column: Metrosep Amino Acids 1 - 100/4.0, eluent: lithium citrate gradient on the basis of USP <1052> (Method 1), 0.4 mL/min, 60 °C, post-column reaction: ninhydrin reagent, 0.2 mL/min, 120 °C, wavelength 570 nm.



Ordering information

Instruments

2.947.0010	947 Professional UV/VIS Detector Vario – SW (Single Wavelength)
2.947.0020	947 Professional UV/VIS Detector Vario – MW (Multi Wavelength)
2.943.0110	943 Professional Reactor Vario
2.942.0040	942 Extension Module Vario HPG
2.940.1140	940 Professional IC Vario ONE/HPG
2.889.0020	889 IC Sample Center – cool

Columns

6.4001.410	Metrosep Amino Acids 1 - 100/4.0
6.1011.030	Metrosep RP 2 Guard/3.5

Optional

6.2845.110	Reactor plate HT complete for 943 Professional Reactor
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Software

6.6059.332	MagIC Net 3.3 Professional CD: 1 licence
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