

# Analysis - Amino acids analysis

## AMINOsep™ columns

Ion exchange chromatography is a popular technique for amino acid analysis as retention time & quantification are both highly reproducible irrespective of the sample matrix. This unique matrix insensitivity is important when comparing results from different patients or batches of protein hydrolysate.

Amino acid columns are subjected to many different types of samples (blood, urine, growth media, animal feed, wine etc ..). Often they are introduced with minimum sample preparation. These columns use polystyrene /divinylbenzene co-polymers and are stable in temperature and in the pH range of 0 to 14.

### AMINOsep™ lithium and sodium form (cation exchange)

Available for both physiological and protein hydrolysate amino acids

Description	Dimension	P/N
Sodium column for Gold Beckman system	200 x 4 mm	AAA-99-6310
Lithium column	100 x 4 mm	AAA-99-6311
Sodium column	120 x 4 mm	AAA-99-6312
Sodium column AminoSep AA-511	120 x 4.6 mm	AAA-99-6554
Sodium column AminoSep AA-511	150 x 4.6 mm	AAA-99-7554
Sodium column AminoSep AA-911	250 x 4.6 mm	AAA-99-8553
<b>Guard cartridges</b>		
Sodium guard cartridges /2 units	20 x 4 mm	AAA-99-1312
Lithium guard cartridges /2 units	20 x 4 mm	AAA-99-1311
Guard cartridges for AA511 /2 units	20 x 4 mm	AAA-99-1354
Guard cartridges for AA911 /2 units	20 x 4 mm	AAA-99-1353
Guard kit for AA-511(1 holder + 2 cartridges)		AAA-99-2354
Guard kit for AA-911(1 holder + 2 cartridges)		AAA-99-2353
Guard kit for sodium column (1 holder + 2 cartridges)		AAA-99-2312
Guard kit for lithium column (1 support + 2 cartridges)		AAA-99-2311

#### Physiological fluid amino acid analysis with AMINOsep lithium AAA-99-6311

Column : lithium  
Flow rate : 0.233 ml /min  
T° : 48-70-77 °C  
Pressure : 655 psi  
Detector : UV  
Injection : 20µl

