

AMINO ACID ANALYZER



LAA - SERIES

Amino Acid Analyzer LAA-A series

Labtron LAA-A series provides a fully automated system and an advanced design for precise analysis of amino acid sequence. With or without available data system it includes a complete package of sophisticated instrumentation, a wide variety of tested separation columns, combined with optimized ready-to-use buffer solutions and chemicals.

Features

- Fully Automated
- Only 2-3 buffer solutions have to be combined to form the best optimized buffer profile at any part of the separation program
- Cooled reagent storage
- Integrated auto-sampler
- Integrated vacuum degasser avoids the interruption of the buffer pump by air bubbles
- Integrated solid state column oven with fast heating and cooling capability
- High temperature reactor with a programmable temperature range from ambient to 185°C
- Integrated reagent dosing Pump for Ninhydrin delivery and flushing of the reaction coil after each run
- All materials coming into contact with the buffer solutions and reagents are made of inert materials like PEEK, PTFE, PVDF, etc
- High precision and reproducibility



Application

Series LAA-A of fully automated system is used for the analysis of amino acids in Food Industry, Pharmaceutical Industry, Sugar analysis of reducing sugars & Analysis of biogene amines.

Specification

Name	Amino Acid Analyzer LAA-A10	Amino Acid Analyzer LAA-A11
Type	Fully Automated	
No. of vials	120 vials	
Sample Injection volume	1 μ l to 100 μ l (1 μ l increment)	
Temperature Range	5°C to +85°C	
Wavelength	440nm and 570nm	
Pump Type	2 plunger pumps usable as HPLC gradient pumps	
Pump Flow Rate	0.05 to 10.0 ml/min	
Hydrolysate Sample Runtime	< 60 min	
Physiological Sample Runtime	< 120 min	
Sensitivity	10pMol	
Amino Acid Reaction Module Ninhydrin Flow Rate	0.01 to 2.0ml/min	
Amino Acid Reaction Module Temperature Control	1 to 99°C \pm 1°C for Column Oven; Up to 199°C \pm 1° C for post Column derivatization reactor	2 to 99°C \pm 1°C for Column Oven; Up to 199°C \pm 1° C for post Column derivatization reactor
Data System	Not Available	Not Available

Amino Acid Analyzer LAA-B Series

Labtron LAA-B series involves the benefits of both the classical ion exchange separation method with the modern technique of high performance liquid chromatography that consists of manually injecting valve system. Along with a complete package of sophisticated instrumentation for accurate results, a wide variety of tested separation columns and combined with optimized ready-to-use buffer solutions and chemicals.

Features

- Manually operated
- Equipped with a manual injection valve
- Reagent organizer without cooling option
- Only 2-3 buffer solutions have to be combined to form the best optimized buffer profile at any part of the separation program
- High precision and reproducibility
- Cooled reagent storage
- Integrated vacuum degasser avoids the interruption of the buffer pump by air bubbles
- Integrated solid state column oven with fast heating and cooling capability
- High temperature reactor with a programmable temperature range from ambient to 185°C
- Integrated reagent dosing Pump for Ninhydrin delivery and flushing of the reaction coil after each run
- All materials coming into contact with the buffer solutions and reagents are made of inert materials such as PEEK, PTFE, PVDF, etc.



Application

Series LAA-B of manual operating system is used for the analysis of amino acids in Pharmaceutical, Food industry Sugar analysis of reducing sugars & Analysis of biogene amines.

Specification

Name	Amino Acid Analyzer LAA-B10	Amino Acid Analyzer LAA-B11
Type	Manually Operated	
No. of vials	120 vials	
Sample Injection volume	1 μ l to 100 μ l	
Temperature Range	5°C to +85°C	
Wavelength	440nm and 570nm	
Pump Type	2 plunger pumps usable as HPLC gradient pumps	
Pump Flow Rate	0.05 to 10.0 ml/min	
Hydrolysate Sample Runtime	< 60 min	
Physiological Sample Runtime	< 120 min	
Sensitivity	10pMol	
Amino Acid Reaction Module Ninhydrin Flow Rate	0.01 to 2.0ml/min	
Amino Acid Reaction Module Temperature Control	1 to 99°C \pm 1°C for Column Oven; Up to 199°C \pm 1° C for post Column derivatization reactor	
Data System	Not Available	Not Available



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