

A compact bench top instrument ideal for amino acid analysis in clinical, veterinary, research, and pharmaceutical laboratories

New Biochrom 30+ Amino Acid Analyzer

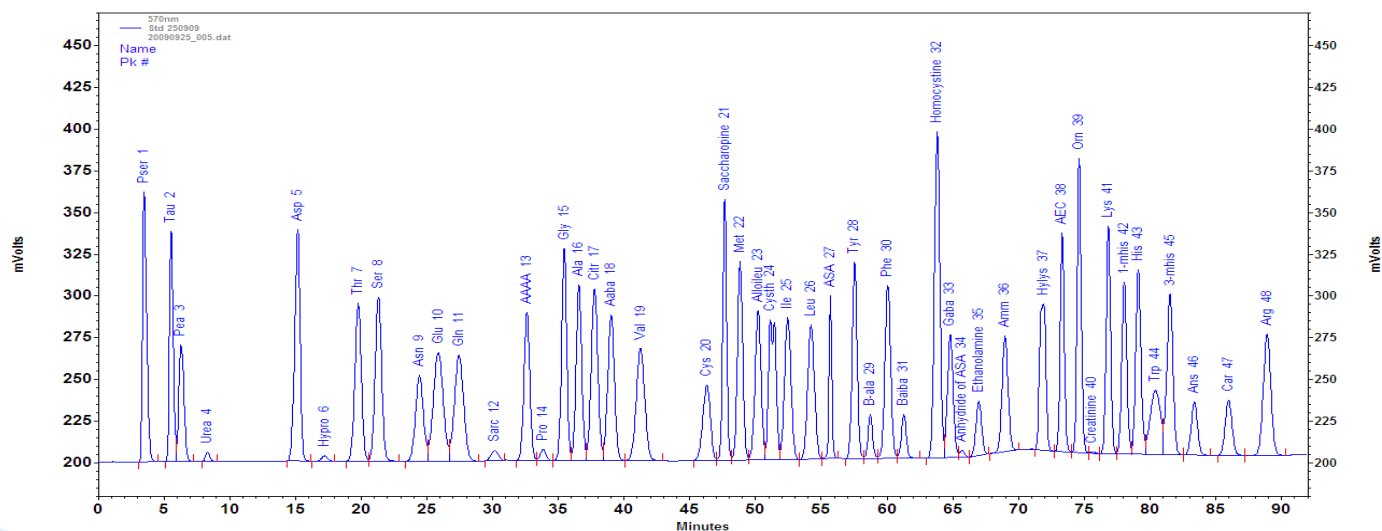


The Gold Standard in identification & quantification of amino acids in physiological fluids



Switch to the New Biochrom 30+

- **New Accelerated Method**
48 amino acids and derivatives in less than 90 min. (to Arginine). Saves up to 1 hour compared to standard classical amino acid analysis.
- **Urine, Plasma, and CSF analysis**
Minimal matrix interference and near baseline separation helps to reduce ambiguities in interpretation and increase confidence in diagnosis of inborn errors of metabolism.
- **Exclusive Column Cleaning Service**
Cuts ownership costs by allowing a virtual infinite column lifetime.
- **Easy To Use With Total PC Control**
PC driven autosampler, robust hardware and advanced fluidics allow easy maintenance.
- **Experienced Biochrom Service and Support Team**
Guarantees a fast response for peace of mind.



Physiological Standard on the Biochrom 30+ Physiological System

TECHNICAL DETAILS

Biochrom 30+ Amino Acid Analyzer

Detection Limit	Ninhydrin - 9 picomoles
Reproducibility	Area: Better than 0.5% RSD at 10 nanomoles. Retention time: Better than 0.1%RSD
Pumps	Two dual piston pumps with integrated pressure transducer and drain valve. Ceramic pump head, sapphire pistons and valves. Electronically controlled piston wash.
Operating Pressures	Buffer pressure: maximum 150 bar. Ninhydrin pressure: maximum 24 bar
Analytical Column	High pressure PEEK column packed with Ultropac 8 cation exchange resin. Peltier heating/cooling system.
Sample Injection	3 injection modes (full loop, partial loop and micro), 84 position autosampler. Sample volumes from 1µL to 5000µL. 200µL loop supplied as standard.
Temperatures	Column temperature variable between 20°C and 99°C. Reaction Coil temperature adjustable between 40°C and 145°C (135°C is optimum).
Software	BioSys v3.0 control software Biochrom Alias Manager autosampler control software Latest version of EZChrom Elite Data Handling 21 CFR part 11 compliant
Photometer	Single flow cell with optical beam splitter with detection at 440nm and 570nm
Weight and dimensions	Bench top Fluidics Cabinet: 50kg/110lbs, 48 x 59 x 57cm /19 x 23 x 22 inches Autosampler: 21kg/46lbs, 30 x 57.5 x 36cm /12 x 23 x 14in
Required Services	Oxygen free Nitrogen gas (99.99%) or Argon gas regulated to 5 bar. Drainage facility. 240V/100V, 50Hz/60Hz, 300VA mains supply.
Safety Systems	Automatic shut-down and reaction coil flushing in the event of: <ul style="list-style-type: none"> ■ Power failure ■ Photometer lamp failure ■ Low ninhydrin, buffer, coil and nitrogen pressures ■ High coil and column temperatures, high ninhydrin, buffer and coil pressures.

ORDERING INFORMATION

80-6000-50	<p>Biochrom 30+ Amino Acid Analyzer Physiological System with cooled Autosampler includes:</p> <ul style="list-style-type: none"> ■ Analytical and Prewash Columns ■ Chemical Kit ■ Pentium PC with 19" TFT Monitor and Printer ■ 12 months warranty incl. installation, travel, labour, training, spare parts and a Preventative Maintenance visit performed by an authorized Biochrom Service Engineer
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For more information on applications and ordering, please contact your local Sales Representative or visit our website.



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