

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

# New Biochrom 30+ Amino Acid Analyzer

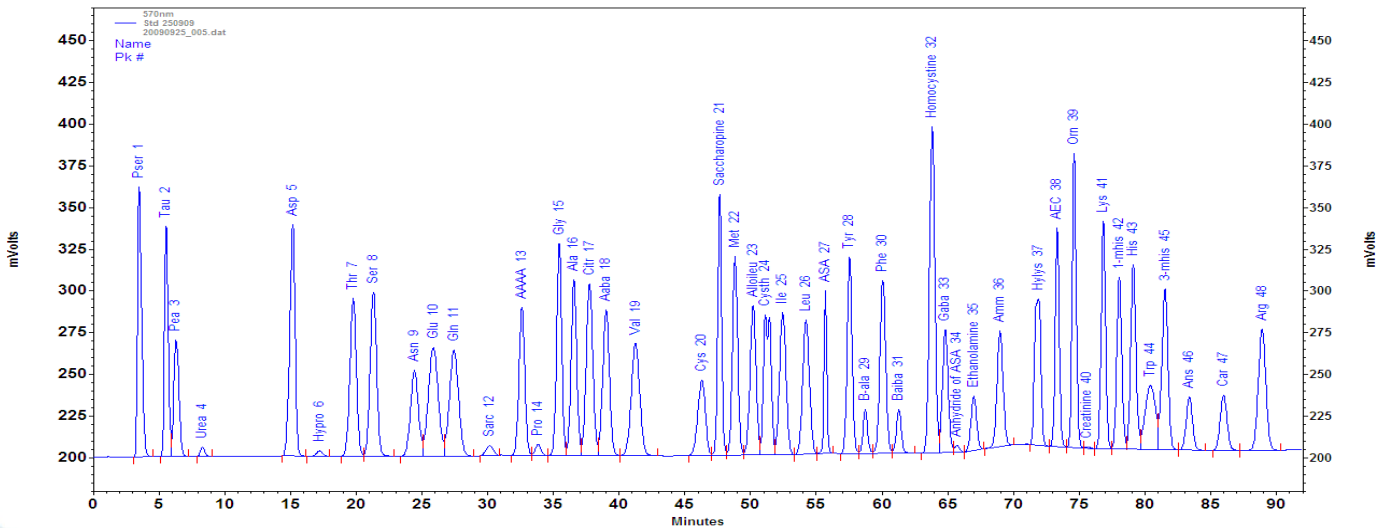
biochrom

## 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

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

## ORDERING INFORMATION

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



Biochrom Ltd, 22 Cambridge Science Park, Milton Road, Cambridge, CB4 0FJ England  
Tel: +44 (0)1223 423723 Fax: +44 (0) 1223 420164  
enquiries@biochrom.co.uk www.biochrom.co.uk

Biochrom-US  
Tel: +1 877-246-2476 Fax: +1 508-429-5732  
sales@biochrom-us.com www.biochrom-US.com