

Ideal for nutrition and composition analysis in food, feedstuffs & pharmaceuticals

# New! Biochrom 30+ Series Amino Acid Analyzer

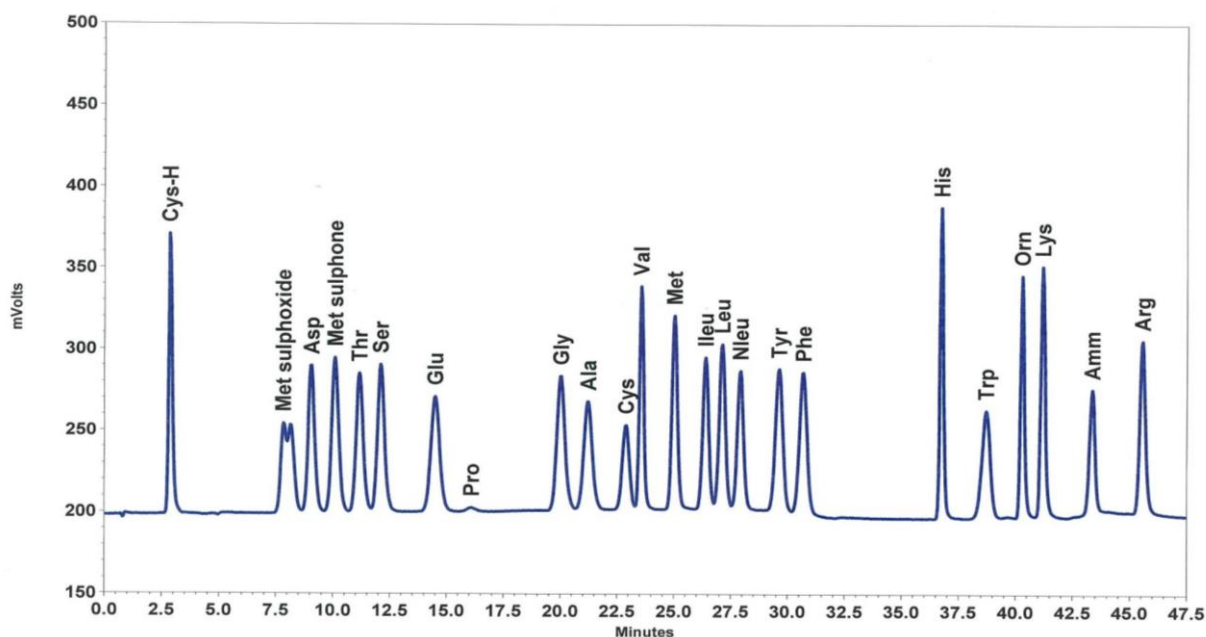
biochrom



## Identification & quantification of amino acid composition in proteins and peptides

### Switch to The New Biochrom 30+

- **Quality Analysis In A Wide Variety Of Samples**  
Amino Acid Analysis in food, feedstuffs, beverages, synthetic peptides, drugs, nutraceuticals and culture media. Separate up to 24 common amino acids and oxidized derivatives in less than 45 min.
- **Short Method Options**  
Results in less than 10 minutes (e.g. Lysine and Taurine content) for rapid sample throughput.
- **Exclusive Column Cleaning Service**  
Cuts ownership costs by allowing a virtual infinite column lifetime.
- **Compact Bench Top System**  
Easy to use, system with PC driven autosampler, robust hardware and advanced fluidics allowing easy maintenance.
- **Experienced Biochrom Service & Support Team**  
Guarantees a fast response, for peace of mind.



Oxidized Protein Hydrolysate Standard – 24 compounds (Accelerated buffer system)

## TECHNICAL DETAILS

### Biochrom 30+ Series Amino Acid Analyzer

<b>Detection Limit</b>	Ninhydrin - 9 picomoles
<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 (cooled version) 19kg/42lbs, 30 x 51 x 36cm/12 x 20 x 14in (ambient version)
<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>80-6000-60</b>	Biochrom 31+ Amino Acid Analyzer Protein Hydrolysate System with Autosampler
<b>80-6000-70</b>	Biochrom 32+ Amino Acid Analyzer Oxidized Hydrolysate System with Autosampler
	All systems include: <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 including installation, travel, labor, training, spare parts and a Preventative Maintenance visit performed by an authorized Biochrom Service Engineer</li> </ul>

For more information on applications, ordering and available configurations, please contact your local Sales Representative or visit our website.



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