



**Discover<sup>®</sup> Bio**  
Manual Microwave Peptide Synthesizer





## Safe, Compact, Easy-To-Use

Now the world's best selling microwave peptide synthesizer is also available in a research scale benchtop system that offers a cost-effective alternative to purchasing peptides. Enhance your laboratory's capabilities with the benefits of microwave-assisted peptide synthesis. Now, chemists who need to make peptides on a research scale can produce high purity peptides in a fast and cost-effective manner.

# Discover Bio Advantages

Compared to conventional methods, the Discover® Bio offers chemists the unparalleled benefits of microwave-assisted peptide synthesis in a safe, compact, easy-to-use system. The Discover Bio features the same patented technology of the Discover® SP system, the best-selling microwave synthesis system in the world.

## Features

- Greater purity peptides than conventional synthesis
- Fiber optic probe for most accurate temperature measurement
- Accelerated reaction rates 10 to 20 times faster than conventional methods
- Access peptides impossible to synthesize under conventional conditions
- Capable of performing full microwave process for deprotection AND coupling
- Get your peptides faster than ever with cycle times under 15 minutes
- Replaceable frit provides low consumable cost
- Flexible system can be used for both peptide and small molecule organic synthesis
- Patented single-mode microwave cavity ensures homogenous power delivery at 1 W increments
- Small system footprint fits easily in a standard fume hood
- Upgradable to fully automated Liberty Blue™ system
- Accessory available for high pressure organic synthesis
- Industry-leading safety features

## Best in Class Technology

- Integrated washing and reagent delivery system
- Two reaction vessels cover wide scale range (5 to 1000 µmol)
- Inert atmosphere providing cleaner chemistry
- Nitrogen bubbling for efficient agitation
- Vessel's integrated spray head allows efficient washing



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## Applications Assistance & Technical Support



Should you have need of service or applications support, CEM maintains a fully-trained staff of chemists and service technicians to ensure that your questions are answered in a timely manner. We offer technical service support 24/7 and our peptide chemists are just a phone call or e-mail away. That's why prestigious research facilities, universities, and major pharmaceutical and biotech companies around the world turn to CEM for their peptide synthesis needs.



We Simplify Science

cem.com



Over 50,000 systems sold worldwide



CEM has been an ISO-certified facility since 1994



All systems serviced & supported by experts with an average of 15 years of experience



CEM invests 12% of annual revenue into R&D, the result... 11 R&D 100 awards



IQ/OQ/PQ Validation by certified CEM Technicians

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