

**Liberty™ 2.0**



**Liberty Blue™ 2.0**



**Liberty PRIME™ 2.0**



**Liberty PRO™**



<b>Cycle Time</b> (at 0.1mmol)	12 minutes	4 minutes	2.5 minutes
<b>Waste/Cycle</b> (at 0.1mmol)	32 mL	16 mL	10 mL
<b>Scale Range</b>	0.005 - 5 mmol	0.005 - 5 mmol	0.005 - 5 mmol
<b>Headspace Flushing</b>	No	Yes	Yes
<b>Amino Acid Positions</b>	27	27	30
<b>External Reagent Positions</b>	4	4	5
<b>RV Camera</b>	No	Yes	Yes
<b>LED Visual Feedback</b>	No	Yes	Yes
<b>High-Throughput Options</b>	HT4	HT4, HT12	HT4, HT12, HT24
<b>Optional Accessories</b>	N/A	N/A	· Full cGMP Compliance Package
<b>Dimensions</b>	22.5" W x 26.5" D x 28.5" H (57.2 cm x 67.4 cm x 72.4 cm)	22.5" W x 26.5" D x 28.5" H (57.2 cm x 67.4 cm x 72.4 cm)	43" W x 26.5" D x 28.5" H (109.3 cm x 67.4 cm x 72.4 cm)

Easily scale up peptides optimized on any Liberty 2.0 series system. The Liberty PRO allows for fully automated, production scale, microwave peptide synthesis under cGMP using a 3, 8, or 15 liter reaction vessels. Batch crude peptides up to 1 kg can be synthesized with a typical cycle time of 15 – 45 min per amino acid.

# MultiPep Series

## MultiPep 1™



## MultiPep 2™



<b>Scale Range</b>	0.001 - 0.3 mmol	0.001 - 0.5 mmol
<b>Synthesis Formats:</b>		
<b>Well Plates</b>	1 x 96 well plates	4 x 96 well plates
<b>Mini-columns</b>	24/48 mini columns (250, 500 µL)	24/48 mini columns (250, 500 µL)
<b>Columns</b>	8 columns (2,5,10 mL)	48 columns (2, 5, 10, 20 mL) 72 columns (2, 5, 10 mL)
<b>Micro Peptide Arrays: SPOT Synthesis on Cellulose Membranes</b>	Up to 1200 peptides in parallel on 2 sheets	Up to 2400 peptides in parallel on 4 sheets
<b>Copies of Arrays: CelluSpots</b>	Many copies of arrays up to 768 peptides each with our Slide Spotting Robot (See specs below)	Many copies of arrays up to 768 peptides each with our Slide Spotting Robot (See specs below)
<b>Amino Acid Positions</b>	26 standard (up to 48)	31 standard (up to 48)
<b>Other Positions</b>	Up to 15	Up to 20
<b>Fluid Delivery</b>	Digital syringe pump	Digital syringe pump
<b>Dimensions</b>	22.8" W x 20.9" D x 28.3" H (58 cm x 53 cm x 72 cm)	35.0" W x 25.6" D x 31.1" H (89 cm x 65 cm x 79 cm)
<b>Accessories</b>	· CleavagePro · Slide Spotting Robot – CelluSpots	· CleavagePro · Slide Spotting Robot – CelluSpots

## Slide Spotting Robot – CelluSpots

Used in conjunction with the MultiPep 1 and 2 systems for making copies of peptide arrays on slides (CelluSpots).



<b>Work Area</b>	2 x Microtiter plates (96 or 384 well)
<b>Slide Area</b>	26 x 75 mm slides with freely defined grids
<b>Total Slides</b>	29 slides for target
<b>Droplet size</b>	As low as 100 nL