






# Comparison Guide

## Liberty Peptide Synthesizers

	Liberty Lite™	Liberty Blue™	Liberty Blue HT12™	Liberty PRIME™	Liberty PRO™
					
<b>Cycle Time</b>	15 minutes	4 minutes	4 minutes	2 minutes	15 - 45 minutes (3 L - 15 L)
<b>Waste/Cycle</b>	40 mL (0.1 mmol)	16 mL (0.1 mmol)	16 mL (0.1 mmol)	8.5 mL (0.1 mmol)	Variable
<b>Scale Range</b>	0.005 - 5 mmol	0.005 - 5 mmol	0.005 - 5 mmol	0.005 - 5 mmol	15 - 1000 mmol (3 L, 8 L, 15 L)
<b>Peptide Positions</b>	1	1	12	24	1
<b>Amino Acid Positions</b>	20	27	27	27	15
<b>Other Positions</b>	4	4	4	4	4
<b>Fluid Delivery</b>	<b>Flex-Add™:</b> Amino Acids & Activators  <b>Timed Delivery:</b> Wash & Deprotection	<b>Flex-Add:</b> Amino Acids & Activators  <b>Timed Delivery:</b> Wash & Deprotection	<b>Flex-Add:</b> Amino Acids & Activators  <b>Timed Delivery:</b> Wash & Deprotection	<b>Flex-Add:</b> Amino Acids  <b>Pre-Calibrated Pumps:</b> Wash, Deprotection & Oxyma	<b>Positive Displacement Pump, Full Bottle Add:</b> Amino Acids  <b>Positive Displacement Pump, 0.05 - 10 L:</b> Wash, Deprotection & Activators (2 positions)
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• 20" W x 18" D x 30" H</li> <li>• 51 cm x 46 cm x 76 cm</li> </ul>	<ul style="list-style-type: none"> <li>• 20" W x 18" D x 30" H</li> <li>• 51 cm x 46 cm x 76 cm</li> </ul>	<ul style="list-style-type: none"> <li>• 27" W x 18" D x 30" H</li> <li>• 69 cm x 46 cm x 76 cm</li> </ul>	<ul style="list-style-type: none"> <li>• 42" W x 18" D x 30" H</li> <li>• 107 cm x 46 cm x 76 cm</li> </ul>	<ul style="list-style-type: none"> <li>• 65" W x 40" D x 70" H</li> <li>• 165 cm x 102 cm x 178 cm</li> </ul>
<b>Upgrades</b>	Upgrade to the Liberty Blue	<ul style="list-style-type: none"> <li>• HT12</li> <li>• HT24</li> </ul>	<ul style="list-style-type: none"> <li>• HT24</li> </ul>	N/A	GMP Documentation
<b>Accessories</b>	Razor Cleavage System	<ul style="list-style-type: none"> <li>• Integrated Camera,</li> <li>• Razor Cleavage System</li> <li>• Flex-Add Large Scale</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Camera</li> <li>• Razor Cleavage System</li> <li>• Flex-Add Large Scale</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated Camera</li> <li>• Razor Cleavage System</li> </ul>	<ul style="list-style-type: none"> <li>• Vessel head holder</li> <li>• 1L bottle cradles</li> </ul>

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