



## CS336H

### RESEARCH SCALE PEPTIDE SYNTHESIZERS

- Total temperature control during synthesis
- Controlled heating for couplings, deprotections AND washes
- Complete synthesis of a 36 mer peptide in less than 24 hours
- 36 amino acid reservoirs
- Reactors from 10 - 50 ml
- Ideal for research and lab scale production
- Heating 100% safe water circulation

### SPECIFICATIONS

PART	DESCRIPTION
Jacketed reaction vessel	One
Reaction vessel size	10 ml, 20 ml, 50 ml
Synthesis scale	0.1 to 0.5 mmol
Metering vessel size	1 x 15 ml & 1 x 10 ml
Amino acid reservoir	10 ml cartridges using powdered amino acids, for just-in-time dissolution and activation
Unattended couplings	36
Solvent bottles	6
Solvent bottle size	1 x 2 L, 3 x 1 L, 2 x 0.25 L
Waste carboy	1 x 10 L
Solvent transfer	Inert nitrogen
Reaction vessel agitation	180° inversion and nitrogen bubbling

Chemistry	tBoc, Fmoc or both
Activation	HBTU/DIEA or HOBt/DIC or any other
Product contact	FDA compliant glass, Teflon and polyethylene
Heating temperature	Ambient to 80°C
Cabinet construction	All chemically inert, self-contained, polypropylene
Dimensions D x W x H (including wheel)	14 x 26.5 x 32 (in) 35.5 x 68 x 81 (cm)
Weight	50 lbs / 20 kgs
Optional	<ul style="list-style-type: none"> <li>• Additional solvent input lines and bottles</li> <li>• Feedback in-line UV monitoring</li> </ul>