



CS136X Research Scale Peptide Synthesizer

The CS136X is a research scale peptide synthesizers that is used for R&D, process development, and small-scale manufacturing. Found in large pharmaceutical companies and universities across the globe, the 136X is a workhorse peptide synthesizer that has reaction vessel sizes ranging from 20 ml to 200 ml, utilizing our patented 180° inversion mixing for complete solvent and resin contact.

With all systems custom built to order, our synthesizers can be customized to user needs. Standard options include jacketed reaction vessels for heating control, automated software integrated heated circulation, UV monitoring, and additional functional reaction vessels.



Specification

CS136X

Reaction Vessel Size	20 ml to 200 ml
Metering Vessel Size	2 x 75 ml
Transfer Vessel Size	2 x 100 ml
Amino Acid Reservoir	22 x 100 ml
Solvent Reservoirs	9: 1 x 5 L, 4 x 2 L, 2 x 1 L 2 x 0.5 L
Waste	1 x 20 L
Synthesizer Size	27 x 40 x 30 (in) 69 x 98 x 76 (cm)
Synthesizer Weight	175 lb / 80 kg



System Features

Activation

HBTU/DIEA, HOBt/DIC or any other chemistry

Mixing

180° inversion with nitrogen bubbling

Coupling

Unlimited couplings – fully automated synthesis of 130-mer or more without any user intervention

Product Contact and Construction

FDA compliant glass, Teflon, and polyethylene disposable filter with chemically inert, self contained polypropylene cabinet

Options

- Jacketed reaction vessel for heated synthesis
- Automated software integrated heated circulator
- Additional solvent / amino acid input lines
- UV monitoring
- Additional functional reaction vessels
- Automated solvent recycling
- 21 CFR Part 11 Compliance
- Custom options to customer specifications



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