



Activotec

ACTIVO-P14 Peptide Synthesizer

Now with heating!

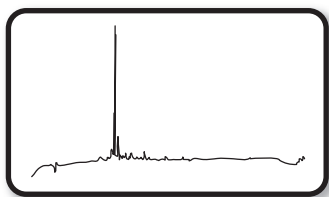
The Activo-P14 Peptide Synthesizer is an economical semi-automated instrument for the synthesis of very high quality peptides.

Key Features

- High quality peptides
- Any scale from 0.05 mmole to 5.0 mmoles
- Easy to use; use existing or define your own protocols
- Automates the resin washing and deprotection steps of synthesis
- Performs any Fmoc or t-Boc chemistries
- Now with optional reactor heating
- Safe to use, instrument is totally enclosed
- Disposable reactors
- Use commercially available resins and reagents



Easy to use touch screen interface



Sequence: GRKKRRQRRRGYKCC

Scale: 0.16 mmol

Synthesis: conventional room temperature

Resin: Rink MBHA, 0.64 mmol/g

Double coupling PyBOP/DIEA in DMF,

3 eq. amino acids and 2.8 eq. PyBOP

Cleavage: 94% TFA, 2.5% EDT, 2.5%

H₂O and 1% TIS

Crude purity 94%

High Quality Peptide

- Inert atmosphere throughout
- Precise and fast solvent delivery and washing
- Efficient inversion mixing

Ease of Use

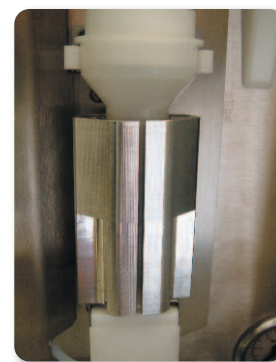
- Very easy to use touch screen display
- Enter the sequence, fill in quantity and resin and press run
- Software generated worksheet tells the user what to prepare
- Free choice of chemistry, present and future
- Logfile of each synthesis
- Easy cleave system direct from the disposable reactor

Chemistry

- Fmoc or t-Boc
- In situ or pre-activation
- Coupling reagents HBTU, HCTU, HATU, TBTU, PyBOP, DIC, COMU, etc
- Use any resins: polystyrene or PEG
- Use any protocols
- Synthesize any length peptides



Easy access to reactor for reagent addition or sampling



Heated reactors

Instrument Specifications

Scale	0.05 – 5.0 mmoles
Chemistry	Fmoc or t-Boc
Activation method	Pre-activation or in situ, user selectable. HBTU, HCTU, DIC, PyBOP, COMU, etc
Reaction vessel sizes	2 mL, 10 mL, 50 mL, 125 mL
Reagent/solvent bottles	3, range from 250 mL to 19 litres
Mixing system	Over centre mixing with variable speed and amplitude
Heating	Ambient to +70°C
Inert atmosphere	100% throughout the system
Fluid measurement	Timed delivery
Power	100-240V, 50-60Hz
Logfile	Printable logfile for each synthesis run
Dimensions	Width 33 cm (13"), depth 27 cm (11"), height 33 cm (13")

Technical Support

Activotec has unsurpassed experience in the synthesis and automation processes for peptides. Activotec is totally committed to supporting its customers worldwide.

- Fast reliable service engineers and application chemists.
- Service contract options are available to suit your requirements.
- Peptide chemists are available to help with instrument application and peptide chemistry if required.
- Training is provided on site or in our facility.

Headquartered in Cambridge, UK Activotec is a producer of state-of-the-art synthesis technology providing chemists with useful and reliable peptide synthesis products.

- Peptide synthesizers, amino acids, resins and reagents.

If you would like further details of the Activo-P14 synthesizer or any of Activotec's range of synthesis instruments or chemicals please contact our offices below.



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