

PepWave09 - Microwave Based Solid Phase Peptide Synthesizer



PepWave09 is the programmable solid phase peptide synthesizer that is capable to perform both organic as well as peptide synthesis reactions through microwave heating radiation. The system is fully computer controlled via window based unique and powerful operating software "Energywave"

PepWave09 provide precise microwave heating, which emerged as a valuable addition to solid-phase peptide synthesis. PepWave09 is a unique semi-automated instrument for solid-phase peptide synthesis with microwave heating and flow-through reaction vessel that is placed in the microwave cavity throughout the synthesis. PepWave09 also has facility for bubbling with nitrogen gas during the microwave irradiation to provide precise and accurate temperature control.

PepWave09 offers the unique ability to perform fast peptide synthesis under the microwave cavity. PepWave09 peptide synthesizer offers a system with a proven technology of performance and reliability.

PepWave09 adopt all the advancement and greatly improved the efficiency of the technique for the betterment of solid-phase peptide synthesis (SPPS) chemistry (i.e., orthogonal protection strategy, coupling reagents, and solid support matrices). PepWave09 use microwave radiation to reduce reaction time and/or increase the initial purity of synthetic peptide products. This microwave-assisted peptide synthesis system is used to rapidly prepare a "difficult" peptide sequence with high initial purity.

V.S. EQUIPMENTS & AUTOMATIONS PRIVATE LIMITED

Works: BULDING E4, GALA NO. 5, PARASNATH COMPLEX VILLAGE VAL

TALUKA: BHIVANDI, DISTRICT: THANE 421302

Tele: - 02522-656557 / +91 9767633245

E-mail vsequipmentsautomations@gmail.com

Specification PepWave09

Heating	Programmable Microwave Power upto 400 watts
Temperature Range	Programmable 20 ⁰ C- 300 ⁰ C
Temperature Control	Through Fiber-Optic temperature sensor.
Peptide Production Scale	≤ 5 mmole
Reaction Vessel Volume	35 ml
Reaction Compatibility	Fmoc Chemistry
Amino Acid Position	30
Solvent Position	7
Mixing Technology	Through Nitrogen Bubbling
Amino Acid Compatibility	Both Natural and Unnatural Amino Acid
Waste bottle	4
Operating Software	Window based powerful Energywave operating software to provide precise microwave delivery according to set protocol
Control Unit Compatibility	Laptop/Desktop
Purification Technology	Through In-built Filter Technology
Safety Features	Automatic Detection for amino acid delivery. Filling volume detection for waste bottle. Self cleaning procedure
Vacuum Pump	Available
Sample Pump	In-built powerful pump for precise and accurate delivery of amino acid, reagents during synthesis process.
Dimensions (W x D x H)	38 x 30 x 39 Inch
Weight	90 kg
Compliance	PepWave09 complies with Good Laboratory Practice (GLP) requirements.

V.S. EQUIPMENTS & AUTOMATIONS PRIVATE LIMITED

Works: BUILDING E4, GALA NO. 5, PARASNATH COMPLEX VILLAGE VAL

TALUKA: BHIVANDI, DISTRICT: THANE 421302

Tele: - 02522-656557 / +91 9767633245

E-mail vsequipmentsautomations@gmail.com