Email : sales@scilabexport.com
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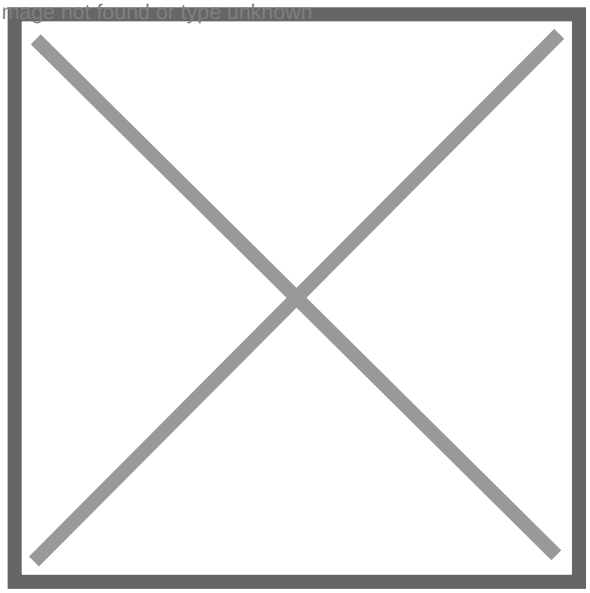
Product Name :

Polymerase Chain Reaction (PCR) Machine

Product Code :

SCI-311/011

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Description :

Polymerase Chain Reaction (PCR) Machine (Product Code: SCI-311/011) is a 96-well Peltier thermal cycler with fluorescence optics, used to amplify and quantify DNA targets in molecular biology, research and university laboratories. It reads excitation/emission wavelengths from 450to 730 nm, and its Windows-compatible software handles standard-curve quantification, melt-curve analysis and gene expression studies. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, as part of the PCR equipment it offers in India and international markets.

Specifications

Parameter	Detail
Format	96-well thermal cycler
Heating and cooling	Peltier
Maximum temperature	Heats up to 105 °C
Hot lid	Adjustable pressure to prevent evaporation and condensation; pressure alarm to protect tubes from excess pressure
Optical range	Excitation/emission wavelengths 450–730 nm
Stated sensitivity	Detects 1 copy of target sequence in human genomic DNA
Modules	Convenient, flexible module replacement; module socket design allows replacement without wires
Layout	Left-right design separating the amplification area from the operating area
Software	Compatible with Windows
Analysis functions	Quantification with standard curve; melt-curve analysis; gene expression by relative quantity (?Cq) or normalised expression (??Cq) with multiple reference genes and individual reaction efficiencies; multiple-file gene expression analysis; allelic discrimination; end-point analysis
Data and reports	Data export in multiple formats; save, copy and print graphs and spreadsheets from the right-click menu; copy and paste into Microsoft Excel, Word or PowerPoint; customisable reports with run settings, graphs and spreadsheets, printed or saved as PDF
Product code	SCI-311/011
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is a PCR Machine Used For?

A PCR machine cycles reaction tubes through denaturation, annealing and extension temperatures so that a chosen DNA sequence is copied again and again. Because this instru ent, suppo quant nts and r