Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

PCR Microplate

Product Code :

SLE/CL/45



Science Lab

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Phone: +91-7082934803

Description :

PCR Microplate (Product Code: SLE/CL/45) is a 96-well polypropylene plate for running PCR cycles, with slightly opaque white U-bottom wells that are alphanumerically identified. Its thinwalls support efficient heat transfer between the thermal block and the reaction, and slightlyraised well edges help the plate seal properly. Each plate is individually wrapped, sterile andRNase and DNase free, and is used in regional hospital laboratories, reference centres andmolecular biology teaching labs. It forms part of the PCR equipment in India supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Type	Micro well plate for PCR cycles
Material	Polypropylene, autoclavable
Number of wells	96, alphanumerically identified
Well colour	Slightly opaque white
Well shape	U-bottom
Well volume	Accommodates the content of 0.2ml PCR tubes
Wall design	Thin walls for optimal thermal transfer
Sealing	Slightly raised well edges facilitate plate sealing
Condition	Individually wrapped, sterile, RNase and DNase free
Compatibility	Stated to fit standard thermo-cyclers, real-time PCR systems and DNA sequencers

Typical Use

The plate lets a laboratory run up to 96 reactions in one thermal cycler run, for example screening many patient samples, running controls and standards alongside unknowns, or comparing primer conditions. Reactions are usually set up with a multichannel pipette drawing master mix from a reservoir, filling one column at a time; the letter-and-number well labels (rows A to H, columns 1 to 12) make it easy to keep to a plate map. White wells are commonly chosen for real-time PCR because they reflect fluorescence back toward the detector.

Open the wrapper only at the clean bench, wear gloves and use filter tips to keep the plate free of contaminating nucleic acids. Seal the plate evenly across the raised rims before cycling so no well evaporates. Research groups and colleges building lab equipment for research in India often pair this plate with a multichannel pipette to cut set-up time for class practicals and diagnostic runs.

Supplier

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Scien
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Email : sales@scilabexport.com
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