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INNOMET™ PCR

INNOMET™ PCR

Instrument For Efficient DNA Amplification

The INNOMET™ PCR is a biomedical device designed for high-efficiency amplification of DNA fragments. It features precise temperature control, enabling accurate and timely temperature cycling, which greatly enhances DNA amplification efficiency.

Product Features

- **Ultra High Throughput** — Efficient DNA amplification based on a 96-well PCR plate;
- **Rapid Experiment** — Amplification completed within 2 hours;
- **Temperature Control** — Uniform and precise temperature control;
- **Heating and Cooling** — Fast temperature rise and fall, low noise, and long instrument lifespan;
- **Intelligent Management** — Automated control and monitoring, displaying reaction progress and recording experimental data;
- **User-Friendly Operation** — Simple UI interface for easy operation, sample loading, and testing;
- **Stable Performance** — Long insulation time provides sufficient heat retention for experiments and records the entire process of program execution, offering accurate data support for experimental results.

Application Scenarios

Molecular biology research

environmental monitoring

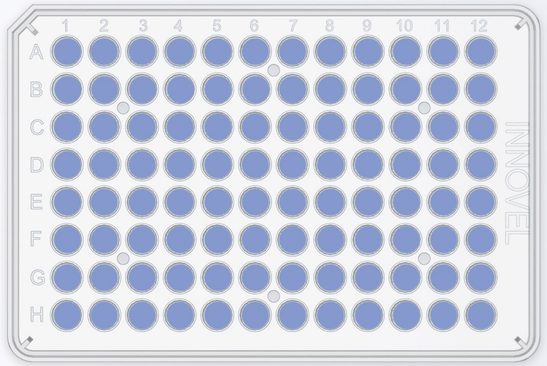
gene testing analysis

pharmaceutical development

Consumables

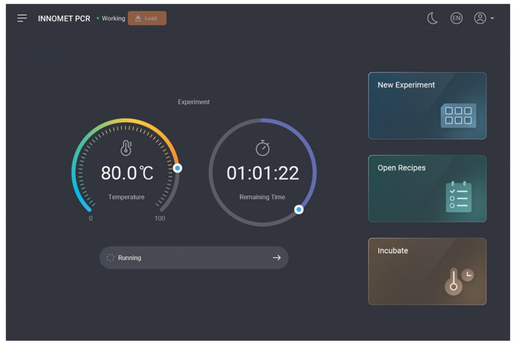
96-Well PCR Plate

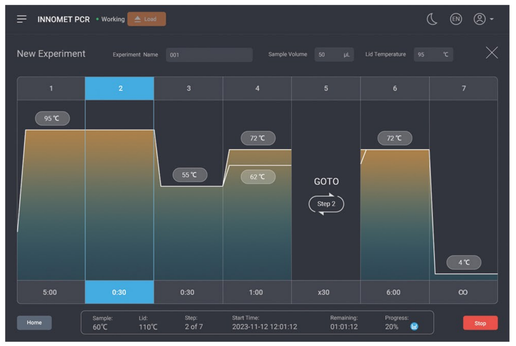
- Uniform heat transfer through the tube walls promotes sample stability and effective amplification;
- Features angled corners for easy orientation identification;
- Raised edge design at the tube opening ensures effective sealing;
- ANSI compliant, suitable for multi-channel pipetting;
- Sterile, DNase-free, RNase-free, and free of pyrogens.



User Interface

Supports a dual theme switch between dark and light modes. The design of icons and buttons is simple and clear, allowing users to quickly understand and use various functions.





Specifications

Dimensions (L x W x H)	350mm * 260mm * 210mm	Maximum Power	600W
Applicable Module	96-Well PCR plate	System Power Supply	220V，50/60HZ，Power≤10KW
Equipment Weight	12KG	Working Temperature	22℃~28℃
Temperature Control	0~105℃	Working Humidity	25%~70%
Heating and Cooling Rate	Maximum2℃/s	Temperature Control Management	Layered design, excellent insulation
Temperature Accuracy	≤±0.25℃（35℃~105℃） ≤±2℃（0℃~35℃）	Experimental History	Supports displaying historical experiment information
Temperature Uniformity	0.5℃~0.6℃	Audit Trail	Supported