



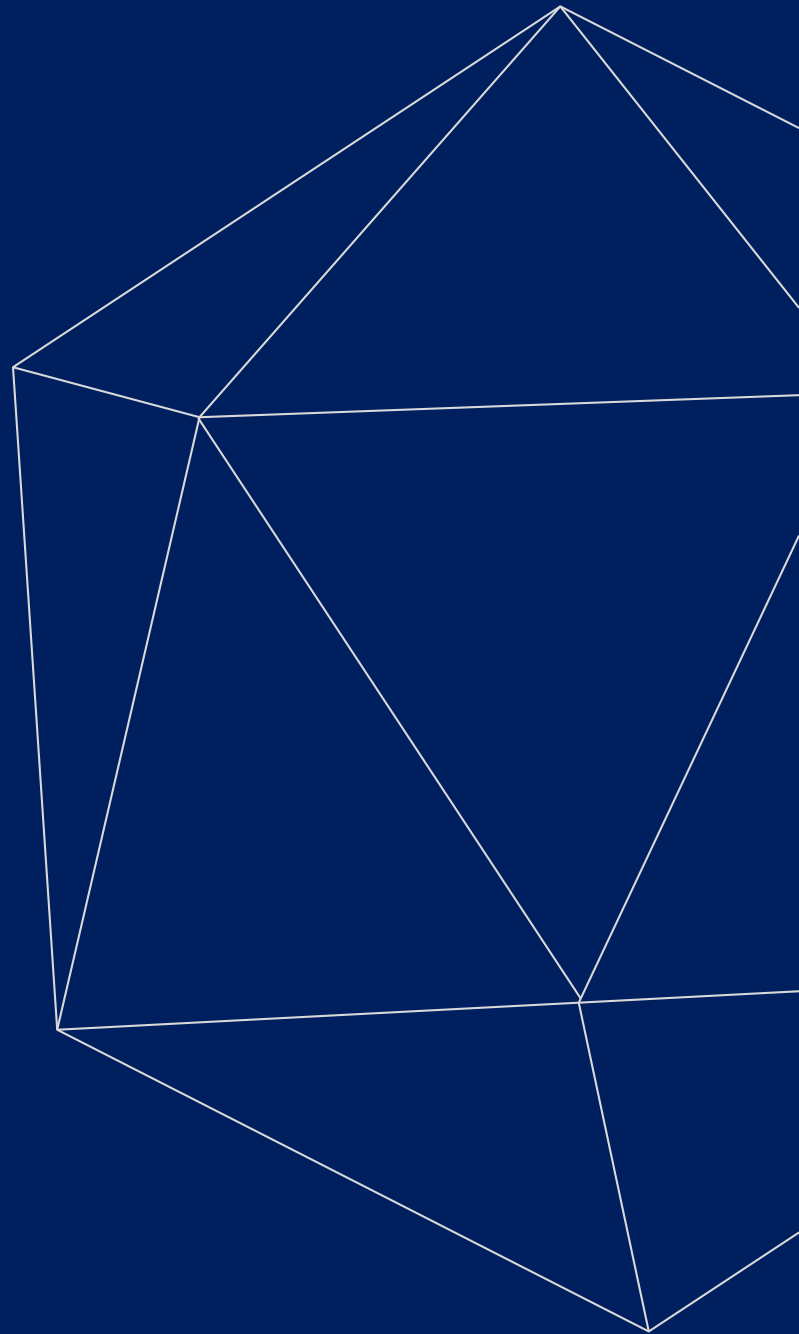
LABORATORY SECTOR

PCR THERMAL CYCLERS



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KALSTEIN® PCR Thermal Cyclers
Thermal Cycler
Model YR01870



Product Description:

The YR01870 nucleic acid extractor uses the proven magnetic bead method to extract highly purified nucleic acid from a wide range of sample types relevant to molecular diagnostics, genetic identity testing, forensics, biomedical research and gene expression analysis. The combination of easy-to-use instruments with a selection of preloaded protocols and magnetic bead-based sample preparation kits packed with unique reagents ensures rapid nucleic acid extraction and highly purified products.

Reliable results you can trust:

With magnetic bead-based extraction kits with preloaded design, experimenters need only one step to initiate extraction, which greatly minimizes manual errors and ensures high nucleic acid purity.

More efficient extraction process: When placed with preloaded extraction reagents, 32 nucleic acid samples for COVID DNA can be extracted in 15 minutes (extraction time varies from reagent to reagent).

More comfortable with two configurations:

Stand-alone configuration: machine keypad operation;

Control APP configuration: cloud-enabled control via Android smartphones/tablets.

Effective pollution control measures:

With the unique sample cross-contamination control system and UV disinfection function, cross-contamination can be minimized.

Simple and extraordinary software: With the convenient Android-based software, you can set up and start a protocol with just a few clicks on your phones/tablets. The user-friendly and intuitive interface makes it simple even for the first-time user.



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KALSTEIN® PCR Thermal Cyclers
Thermal Cycler
Model YR01870



Technical Description:

| | |
|------------------------------------|---|
| Model | YR01870 |
| Throughput | 32 |
| Processing Volume | 30-1000mL |
| Recommended Sample Volume | 200uL |
| Magnetic Bead Residue | £1% |
| Suitable Consumables | 96-well plates, 6- tube strips |
| Heating Temperature | Lysis heating: room temperature to 120°C Elution heating: room temperature to 120°C |
| Mixing Mode | Optional multi-modes and multi-gears for mixing |
| Reagent Type | Magnetic beads-based extraction kits |
| Operation Mode | A. Cloud-enabled control via smart phones/tablets (Android) B. Machine keypad operation |
| Experimental Storage | Up to >500 groups of programs saved in the Android app Up to 15 groups of programs saved in device |
| Program Management | Programs can be created, edited, applied and deleted with high flexibilit |
| Contamination Control | Built-in UV disinfection module |
| Power Failure Protection | Choose freely whether or not to continue the experiment when the power is on again after cutting off |
| Connection port type | USB, Ethernet, USB Type-B |
| Network Connection | Cloud-enabled control on smart phone/tablet |
| Instrument Dimensions | 435mmx440mmx445mm (WxLxH) |
| Weight | 31.5kg (net) |
| Power Supply | AC 100-240V. 50/60+1Hz: 600w |
| Operating temperature range | 10~30°C |
| Operating humidity range | 20%-85% |



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