



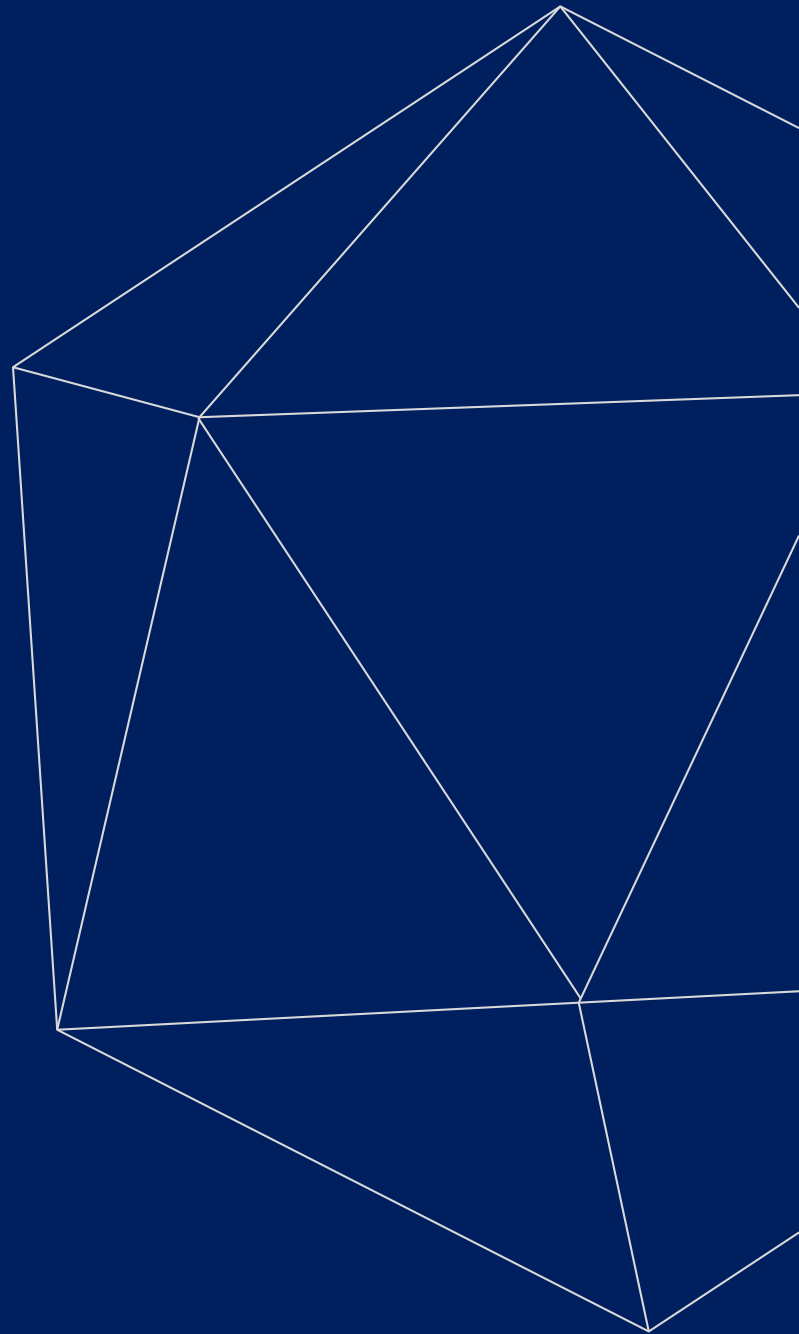
LABORATORY SECTOR

PCR THERMAL CYCLERS



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KALSTEIN® PCR Thermal Cyclers Thermal Cycler Model YR01869-2



Product Description:

The YR01869-2 automatic nucleic acid extractor is a compact and flexible automatic nucleic acid extractor designed with rotary mixing technology (RMT). It can flexibly compose 16 x n different flow rates to meet the simultaneous extraction needs of different projects without interfering with each other. In addition to its excellent performance, it has also won the German Red Dot Design Award 2021 for its user-friendly design. With flexible performance and a separate extraction module, it can be your ideal choice for faster and more immediate testing tasks.

Highly flexible to your needs:

YR01869-2 can flexibly compose 16 x n different yields to meet simultaneous extraction needs without interfering with each other. With a separate extraction module, it can meet your different but immediate testing needs of various applications.

Ease of initiating experiments anywhere:

Thanks to its mobile power, you can start the experiment anywhere to meet the testing needs of different scenarios.

Easy to use and comfortable:

Operation with 6.86-inch touch screen or APP control for smartphone/tablet with WIFI connection;

Automatic shutdown after UV disinfection;

Noiseless design.

Automated workflow and remote updating:

Automatic identification of reagent protocols and mixing sleeve positions; Remote updating and maintenance of instruments and reagent programs.

Measures to minimize contamination:

- ✓ UV lamp;
- ✓ Internal negative pressure;
- ✓ HEPA filtration;
- ✓ Rotary mixing to reduce aerosols;
- ✓ Possibility to work inside a biosafety cabinet for highly contaminated samples.



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KALSTEIN® PCR Thermal Cyclers
Thermal Cycler
Model YR01869-2



Technical Description:

Model	YR01869-2
Throughput	16
Processing Volume	20-1700µL
Sample Processing Volume	200-500µL
Compatible Consumables	Customized 96-deep-well plates, single 6-strip tubes
Inter-well Difference	CV≤3%
Mixing Method	Rotary mixing
Rotary Speed	100~3000rpm
Temperature Control Range	Temperature control separately for lysis and elution. Temperature range from 30°C to 120°C.
Temperature Control Accuracy	Heating speed: 4.0±0.2°C/s. Temperature accuracy: ±1.0°C. Temperature uniformity: ≤1.0°C.
Languages	Chinese/English
Protocol Management	Flexible to create, edit and delete protocols
Operation Mode	Mode 1: Android systems in smartphones/tablets Mode 2: 6.86 inch full-color LCD screen
Automatic Control	Automatic opening and closing of the experiment cabin
Reagent Identification	Automatic identification of reagent information and running the assays
Mixing Sleeve Monitoring	Real-time monitoring of the mixing sleeves status in experiment
Magnetic Bead Residue	≤1%
Power Failure Protection	Choose freely whether or not to continue the experiment when the power is on again after cutting off
Disinfection	Ozone + UV disinfection
Auto Power-off	Auto power-off after UV disinfection
Negative-Pressure Filtration	Negative pressure HEPA filtration module
Connection Port Type	USB port
Weight	7.4Kg (net)
Instrument Dimensions	210mm(L)*229mm(W)*242mm(H)
Power Supply	AC220V, 50Hz



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