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NMPA


# AccuRa-32

## Real-Time PCR Quantitative System

"More Than Fast"

Build For Reliable, Automated, Accurate PCR Operation

Singuway Biotech Inc.

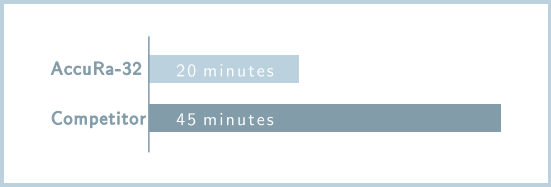
# Introducing the AccuRa-32

The AccuRa-32 is a real-time fluorescent quantitative PCR system specifically designed to meet the needs of rapid nucleic acid detection in clinical, food, environmental and research applications. The four-channel dualmodule design provides real-time and highly sensitive fluorescence measurements with the freedom to mix and match experiments, enabling 2 different programs to run independently and detect 32 samples simultaneously.

## AccuRa-32

ENGINEERED FOR FASTER RUN TIMES

Simultaneous scanning of 32 wells provides faster scanning speed compared to individual well scanning technology.




INNOVATED FOR INDEPENDENT TESTS

**Dual module design allows two different tests to be performed without interfering with each other**

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# 5 Reasons — Why Features and benefits


### Powerful Diagnostic Solution

A variety of items can be tested, adaptable to various reagents such as rapid or regular reagents

### Leading Product Performance

Self-developed, dual module for independent operation, Peltier temperature control system and 8℃/ sec of the maximum ramp rate to shorten PCR reaction time to a minimum of 20 minutes

### Flexible Analysis Function

Multiple software analysis functions for quantitative analysis, melting curve analyisis, genotyping, relative quantification, etc.

### Easy-To-Use Operation

Comes with a touch screen without external computer, one key to start the preset program

### Ultra-High Multiplexing

Up to 4 channels**(FAM/SYBR Green I, HEX/VIC/JOE/TET,ROX,CY5)** can be confjgured for multiplex quantification of up to 3 target DNA or RNA moleculesin a given assay saving time and reagents

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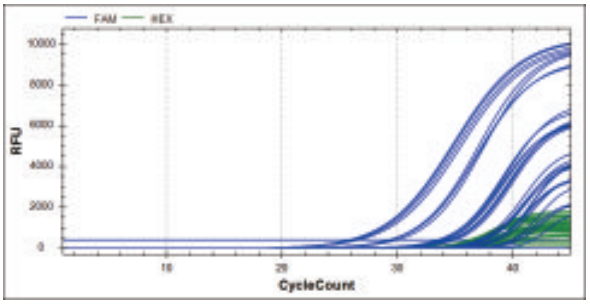
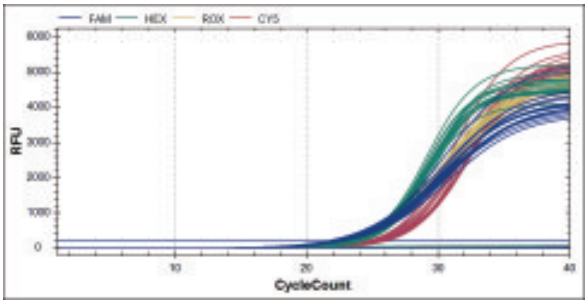
# Accuracy Through Instrument

- Up to 4 fluorescent channels allow for flexible dye usage and broad application
- Peltier-based thermal block system designed for superior the rmal cycling and unmatched optical design to ensure every run is accurate and reproducible
- Tight replicates through superior inter-well uniformity
- Robust design ensures reproducibility from run to run




Amplification Curve of HBV Test




Amplification Curve of COVID-19 Test

# Simplicity Through Software

- Simple-to-use, feature-rich touchscreen allows you to set up runs with the touch of a finger
- User-specific quick-start feature lists the latest started or edited programs by whichever user has logged in
- Preinstalled program templates provide a variety of applications
- Multi step programming allows users to enter all of the parameters for every program step within a single screen
- The extended self-test covers all of the relevant functions of the PCR system and summarizes the results in a report

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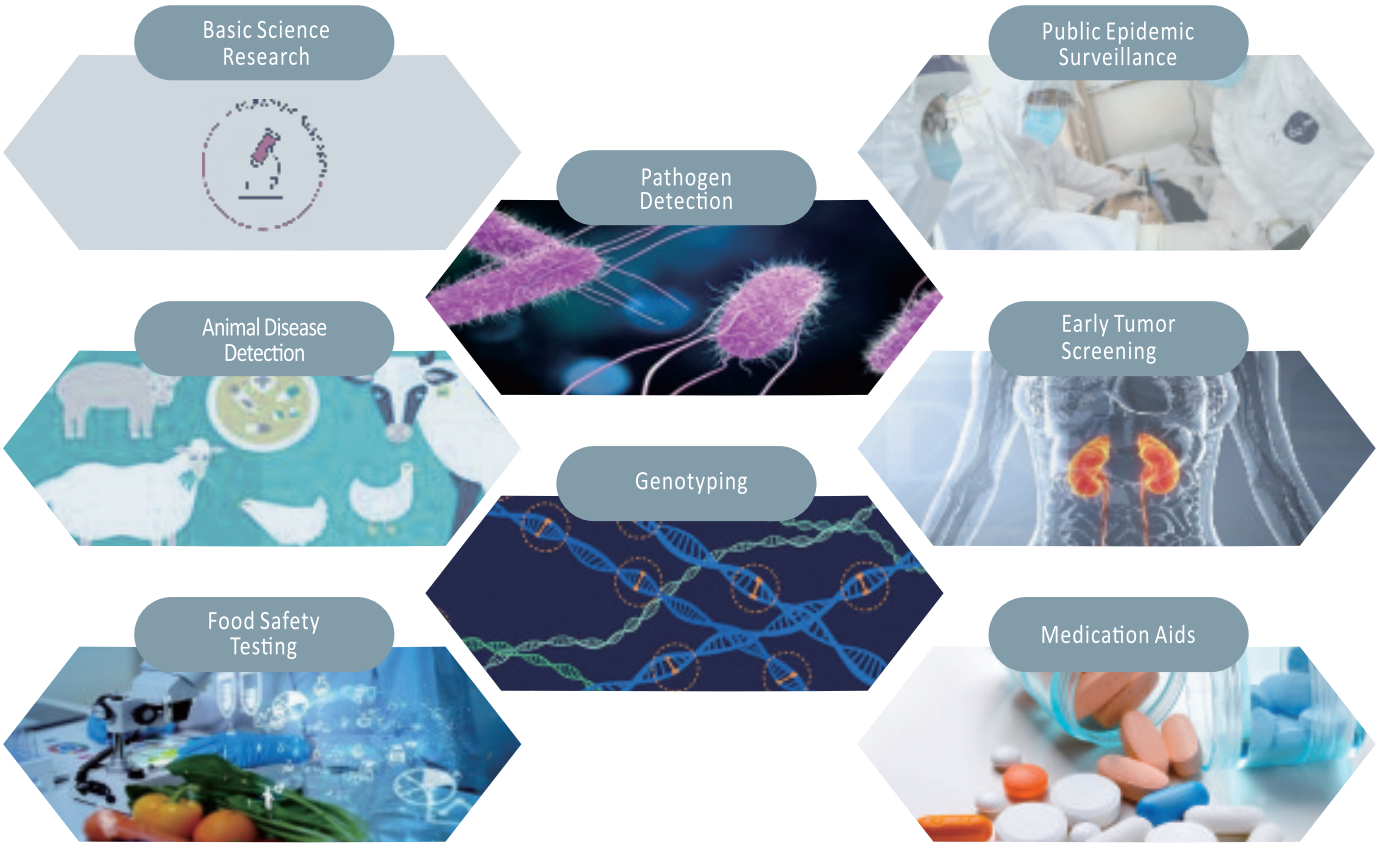
# Application




# Applicable Scenarios









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# Specifications

| Model | AccuRa-32 |
|---|---|
| Throughput | 32 samples (4×8 wells, double modules) |
| Applicable Consumables | 0.2ml thin-walled transparent single tube, 0.2ml thin-walled transparent 8-strip tube |
| Reaction System | 15-100 μl |
| Temperature Control Technology | Peltier Cooler |
| Temperature Control Range | 0-100°C (Resolution: 0.1°C) |
| Maximum Ramp Rate | 8°C/sec |
| Temperature Control Accuracy | ±0.1°C |
| Temperature Uniformity | ±0.25°C |
| Temperature Accuracy | ±0.25°C |
| Temperature Range of Heated Lid | 30-110°C (adjustable, default 105°C) |
| Temperature Control Mode | Module control, tube control |
| Fluorescence Intensity Repeatability | CV≤1% |
| Fluorescence Intensity Precision | CV≤3% |
| Fluorescence Excitation Light Wavelength | F1: 465nm, F2: 525nm, F3: 571nm, F4: 628nm |
| Fluorescence Detection Wavelength | F1: 510nm, F2: 564nm, F3: 612nm, F4: 692nm |
| Applicable Fluorescent Dyes | F1: FAM/SYBR Green I , F2: HEX/VIC/JOE/TET, F3: ROX, F4: CY5 |
| Excitation Light Source | High brightness LED, long service life, no maintenance |
| Detectors | Photodiodes (PD) |
| Dynamic Range | 1-$10^{10}$ Copies |
| Detection Sensitivity | Single copy genes can be detected |
| Repeatability of Sample Detection | CV≤1% |
| Linearity | r≧0.990 |
| Software Analysis Functions | Quantitative/qualitative, melting curve, genotyping |
| Print | Support direct report printing |
| Control Method | 10 inch touch screen control, also can be connected to computer control, Win10 operating system |
| Power Failure Protection | With power failure protection function |
| Interface Method | USB3.0, Type-B, LAN |
| Dimension | W×D×H=316×340×220mm |
| Net Weight | 8kg |
| Input Voltage | AC100V-240V～±10%, 50Hz/60Hz±1Hz |
| Output Power | 600W |

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Your trustworthy support in rapid molecular diagnosis

SINGUWAY BIOTECH INC.

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