

## REAL-TIME FLUORESCENT QUANTITATIVE PCR SYSTEM



### BR-QPCR-164

QPCR is a 16well touchscreen quantitative fluorescence Real-time PCR System, which has two temperature control mode of Block or analog Tube, dualoperating system, equipped with a 10.1-inch high-definition color touch screen, with the built-in analysis software to achieve easy use.

### FEATURES

- Designed for mobile,small laboratories or on-site testing
- qPCR+ Iso Thermo Dual function
- Up to 4 channels
- Compact and portable
- High accuracy
- Intuitive user interface



## TECHNICAL PARAMETERS

| MODEL                                          | BR-QPCR-164                                                                                                              |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Throughput                                     | 16 well (2 X 8)                                                                                                          |
| Applicable consumables                         | PCR single tube or strip                                                                                                 |
| Dynamic range                                  | 1-10 <sup>10</sup> copies                                                                                                |
| Detection location                             | Side detection                                                                                                           |
| Excitation light wavelength                    | 400-800nm                                                                                                                |
| Detection wavelength                           | 500-800nm                                                                                                                |
| Fluorescence channels                          | 4 channels                                                                                                               |
| Fluorochrome/dye                               | Channel 1: FAM/SYBR Green I;<br>Channel 2: HEX/VIC/JOE/TET/TAMRA/Cy3/NED;<br>Channel 3: ROX/Texas Red;<br>Channel 4: Cy5 |
| Excitation light source                        | high-brightness LED                                                                                                      |
| Detector                                       | High sensitive PD                                                                                                        |
| Module temperature range                       | 4~105°C                                                                                                                  |
| Block temperature accuracy                     | ≤±0.1°C                                                                                                                  |
| Block temperature precision                    | ≤±0.1°C                                                                                                                  |
| Block temperature uniformity                   | ≤±0.1°C                                                                                                                  |
| Max heating & cooling rate of block            | ≥6°C/s                                                                                                                   |
| Block temperature control mode                 | Block mode, analog Tube mode                                                                                             |
| Sample volume range                            | 5-100 μL                                                                                                                 |
| Heated lid temperature range                   | 30°C-110°C (default 105°C)                                                                                               |
| Fluorescence intensity detection repeatability | CV≤3%                                                                                                                    |



|                                      |                                                                                            |
|--------------------------------------|--------------------------------------------------------------------------------------------|
| <b>Touch screen</b>                  | 10.1-inch touch screen                                                                     |
| <b>Scanning speed</b>                | < 2seconds (16wells)                                                                       |
| <b>Software functions</b>            | Absolute quantification, Relative quantification, Melting curve, SNP genotyping, HRM, etc. |
| <b>Operation system</b>              | PC software, dual operation modes                                                          |
| <b>Ports</b>                         | USB Type-A port × 2, USB Type-B port, RJ45 port                                            |
| <b>Power-off protection function</b> | Yes, data can be restored after power-on                                                   |
| <b>Data management</b>               | LIS connectivity                                                                           |
| <b>Dimension</b>                     | 288(W)mm×248(L)mm×218(H)mm                                                                 |
| <b>Net weight</b>                    | 7 Kg                                                                                       |

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