

لیست موجودی دستگاه‌های مولکولی - ۱۴۰۴/۰۳/۰۳

| Equipment     | Brand   | Model             | Specifications   | Device  |
|---------------|---|-------------------|--|---|
| Real Time PCR |    | CFX96 OPUS        | Sample Capacity: 96 wells.<br>Temperature: 4°C to 100°C, Max Ramp Rate: 5°C/sec.<br>Sample Size: 1–50 µl, Software: CFX Maestro.<br>Optical Detection: 6 filtered LEDs and 6 filtered photodiodes, Detection Range: 450–730 nm.  |    |
|               |    | CFX384            | Sample Capacity: 384 wells.<br>Temperature: 30°C to 100°C, Max Ramp Rate: 5°C/sec.<br>Sample Size: 1–50 µl, Software: CFX Maestro.<br>Optical Detection: 6 filtered LEDs and 6 filtered photodiodes, Detection Range: 450–730 nm.  |    |
|               |    | CFX96             | Sample Capacity: 96 wells.<br>Temperature: 30°C to 100°C, Max Ramp Rate: 5°C/sec.<br>Sample Size: 1–50 µl, Software: CFX Maestro.<br>Optical Detection: 6 filtered LEDs and 6 filtered photodiodes. Detection Range: 450–730 nm.   |    |
|               |   | AriaMx            | Sample Capacity: 96 wells. Detection Range: 450–730nm<br>Temperature: 25.0°C to 99.9°C, Max Ramp Rate: 6°C/sec.<br>Sample Size: 10–30 µL, Software: ARIA Software.<br>Optical Detection: 8 dye specific LEDs per optical module and 8 filtered photodiodes.  |   |
|               |  | MA-6000           | Capacity: 96×200 µl, 12×8 well strips, 1×96-well plate.<br>Temperature: 4°C to 100°C, Full spectrum halogen lamp.<br>Rapid Heating & heating: heating 3.5 & cooling 3.2°C/s.<br>Excitation Spectrum: 380-780nm, Excitation Channels: 6<br>Detection Channels: 96 2way heat resistance optical fibers |  |
|               |  | MIC               | Sample Capacity: 48 wells, Volume: 5 to 30 µL.<br>Temperature Range: 35–99°C. Max Ramp Rate: 5°C/sec.<br>Channels: Available in either 2 or 4 channel models.<br>Temperature Uniformity: ±0.02°C<br>Software: Mic qPCR Analysis.   |  |
| PCR           |  | T100              | Sample Capacity: 96 x 0.2 ml tubes, 0.2 ml tube strips, or 1 x 96-well plate.<br>Temperature Range: 4–100°C, Max Ramp Rate: 4°C/sec.<br>Temperature Accuracy: ±0.5°C.<br>Average Ramp Rate: 2.5°C/sec. Channels: 1.  |  |
|               |  | C1000             | Sample Capacity: 96 x 0.2 ml tubes, 48 × 0.5 ml tubes, or 96-well plate. Temperature Accuracy: ±0.2°C.<br>Temperature Range: 0–100°C.<br>Temperature Control Modes: Calculated and block.<br>Software: C1000 Manager.  |  |
|               |  | Mastercycler x50S | Sample Capacity: 384-well aluminum block with high-pressure lid. Volume: 5 to 30 µL. Channels: 6.<br>Temperature: 4–99°C, Max Ramp Rate: Up to 10°C/sec<br>Temperature Accuracy: ±0.1°C<br>Software: Eppendorf ThermoLab.  |  |

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|--------------------------------|---|-----------------|---|---|
| Nucleic Acid Extraction System |    | QIAcube Connect | Sample Capacity: Up to 12 samples per run.<br>Fully Automated: Automates over 80 QIAGEN kits with more than 140 standard protocols.<br>UV Decontamination: Equipped with built-in UV light.<br>Optional Protocol Customization: Up to 3000 protocols.   |    |
|                                |    | Natch 48        | Sample Capacity: 1-96 tests per batch.<br>Extraction Time: 10-60 minutes per batch.<br>Working Volume: 30-2000 $\mu$ L. temperature to 125°C.<br>Recovery Rate of Magnetic Beads: >95%.<br>Mixing Mode: Vortex omnidirectional liquid mixing.<br>Temperature Control Range: Adjustable from room  |    |
|                                |    | Natch CS        | Sample Supported: Serum, plasma, swabs, whole blood, secretions, exfoliated cells, tissues, urine, feces, etc.<br>Sample Capacity: 1-96 tests per batch.<br>Extraction Time: OT method Less than 30 min for 96 samples, MB method: Less than 90 min for 96 samples.<br>Extraction Volume: 1mL to 3mL.<br>Pipetting Volume: 10 to 1000 $\mu$ L, Pipetting Tip: 2-channel<br>Temperature: Adjustable from room temp to 100°C. |    |
| Gel-Doc                        |   | XR+             | Maximum Sample Size: 28 cm (L) $\times$ 36 cm (W).<br>Maximum Image Area: 19.4 cm (L) $\times$ 26 cm (W).<br>Illumination Control: Three modes—Trans-UV, Trans-white, and Epi-white. Detector: CCD camera.<br>Temperature: 10–28°C (recommended: 21°C).   |   |
| Elisa Reader                   |  | ELx800          | Wavelength Range: 340/400-750 nm (Absorbance).<br>High Throughput: Supports 6- to 384-well plate.<br>Multiple Plate Formats: 6-, 24-, 48-, 96- & 384-well plates<br>Filter Capacity: Can accommodate up to 5 filters.<br>Onboard Data Analysis Software: BioTek's Gen5.   |  |
| Elisa Washer                   |  | ELx50           | Microplate Compatibility: 24 to 384-well plates, as well as 96-well plates.<br>User-Programmable: Dispense, Aspirate, Soak & Prime.<br>Applications: ELISA, cell-based assays, bead-based assays, vacuum filtration washing.  |  |