

'MAVERICK' REAL TIME (40 MIN) QUANTITATIVE PCR MACHINE WITH WIFI & BLUETOOTH

Maverick is a portable, high performance real time quantitative PCR system and is equipped with a 4-channel fluorescence optical system powered by an ultra-low-light CMOS bio-imaging sensor. It is optimally suited for applications where portability, minimal space, fast time-to-result (40 minutes) is required. Applications are: Point-of-Care molecular diagnostics tests (POCT).



'MAVERICK' REAL TIME (40 MIN) QUANTITATIVE PCR MACHINE

Product Name

MAVERICK MQ4164 -POCT Quantitative PCR system

Inclusion with Machine

- Maverick MQ4164 qPCR machine
- Power cable and transformer
- USB2.0 – RS232 computer interface cable
- USB flash disc with software
- Instruction manual

Inclusion in SARS-CoV-2 Test package

- Nasal Swabs (16)
- Reaction mix freeze dried powder vials (16)
- Pre-filled sample preservation fluid vials (16)
- 1 x Negative Control
- 1 x Positive Control
- Biohazard disposal bags (16)
- Instructions for use

Applicable Standards

EN ISO 13485:2016, EN ISO 18113-3:2011, EN 13612:2002, EN ISO 14971:2012, EN 13641:2002, EN ISO 23640:2015, EN ISO 18113-1:2011, EN ISO 15223-1:2016, EN 62366-1:2008, EN ISO 18113-2:2011, Directive 98/79/EC of the European Parliament and of the Council on In-Vitro Diagnostic Medical Devices.

Features and Benefits

- WiFi and Bluetooth
- Rapid test and highly efficient (40 min)
- Compact, Portable and rugged design, POCT
- No internal moving parts, and no need for calibration.
- Multi-wavelengths 4-channels fluorescence sensing capability
- Equipped with ultra-low-light sensitive CMOS-based fluorescent imager.
- Cross platform software for Windows® and Android® OS, with cloud-ready connectivity.
- Battery-backup option for outdoor use and power loss protection
- User-friendly interface (Android system)
- Large memory
- Several test type elements (35 test type articles)
- The printing of reports can be adapted to the requirements

Specifications

- Method: 4-channel fluorescence optical system
- Screen: 10 inch touch screen
- Capacity (# of wells): 16 (Up to 96 can be provided)
- Channels (# of Fluorophores per well): 4 (1. FAM/SYBR Green; 2. JOE/HEX/VIC/TET; 3. ROX/Texas Red; 4. CY5/LIZ/Cy5.5)
- Dynamic range: <1.0E9
- Temperature accuracy: ± 0.25 °C
- Tube/plate formats: 0.2mL, 8 or 16-tube strip
- Thermal system: Solid-state, Peltier-based
- Detector: Ultra-low-light CMOS Bio-imaging chip
- Languages: Multi-Language-English, Chinese, German, Italian, etc., +40 languages.
- Power supply: 110-240V 50 Hz / 60 Hz
- Dimensions: 247mm (L) x 188mm (W) x 133mm (H). Weight: 2.6 kg

Applications

- Point-of-care molecular diagnostics
- Food safety test
- Environmental microbial-threat monitoring
- Agriculture DNA testing
- Forensic testing
- Research and educational lab use
- Drug quality assurance testing