

## Bringing PCR to the patient

The Enigma® ML (mini-laboratory) is a fully automated molecular test platform ideally suited to life in both the clinical laboratory and also at the point of care including clinics, doctor's surgeries and pharmacies.

The Enigma® ML is portable and completely self-contained and provides ultra-rapid, laboratory-standard results. It combines the speed and sensitivity of real-time PCR with the simplicity needed for point-of-care testing. The system operates with ambient stored reagents in a single disposable cartridge, removing the costly and time-consuming logistical and sample preparation procedures normally associated with PCR. The instrument also has a simple-to-use touch-screen for data entry and result reporting, plus an integrated label printer.

### Key Features

- Fully automated real-time PCR system
- Rapid test (30-60 minutes to result)
- Multi-sample, random access and scalable
- Processes swabs and liquids (e.g. urine, blood, plasma)
- Integrated sample preparation
- Competitive system and test price
- Small footprint portability
- Ambient storage of test cartridges
- Low complexity
- Touch-screen user interface
- Connectivity to information systems



The Enigma® ML is modular and scalable providing flexibility in different healthcare settings. At entry level with a single processing module it is a compact, portable inexpensive instrument ideally suited to settings where usage is lower, for example physicians office, pharmacy or ICU.



For faster results, the answer is Enigma Diagnostics

For higher throughput, up to six processing modules can be added allowing random access, parallel running of different samples and tests.



## Specifications

Size	Height: 35cm Depth: 35cm Width: 27-90cm
Weight	10-35 kg
Data Input	Touch-screen colour display LIMS connectivity Integrated barcode reader
Data Output	Colour display Integrated label printer LIMS connectivity
Sample Type	Liquid e.g. urine, blood Nylon snap-off swabs
Sample Size	3ml of liquid Up to 3 swabs
Sample Throughput	1-6 samples (random access)
Multiplexing Optics	2 Excitation sources 6 Detection channels Melt analysis
Time to Result	30-60 minutes
Storage	Ambient storage of reagent cartridges

## Fully Automated Test

The Enigma® ML incorporates a disposable cartridge which accommodates liquid or swab samples without manual processing. All reagents are held on the cartridge and all steps are automated, minimizing the risk of human error or cross contamination. It takes six easy steps to complete a test and minimal hands on time.

### 1. Take Sample



### 2. Transfer to Tube



### 3. Place Tube in Cartridge



### 4. Enter Data



### 5. Load Instrument



### 6. Read Results



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