

NEW

LAB

SENTiNAT[®] MICRO

Molecular Diagnostics

Compact qPCR instrument for *In vitro* diagnostic



SENTINEL
DIAGNOSTICS

SENTiNAT[®] MICRO

Compact qPCR instrument for *In vitro* diagnostic

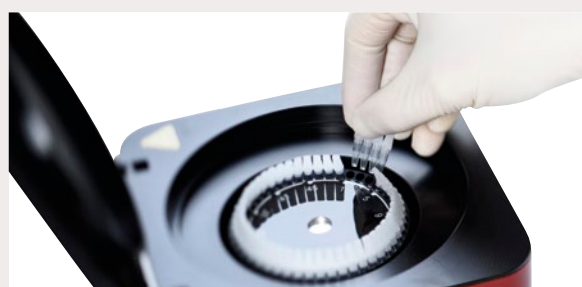
The SENTiNAT[®] MICRO is a compact rotary based 48-well qPCR instrument that applies magnetic induction to achieve heating and forced airflow for cooling. SENTiNAT[®] MICRO is fast enough to complete 35 cycles in 25 minutes. The SENTiNAT[®] MICRO is intended to perform fluorescence-based PCR to detect and quantitate nucleic acid sequences working with four detection channels, whose excitation and emission spectra encompasses the most common dyes used in qPCR. With Bluetooth[®] connectivity to a PC, multiple instruments can be run via a single computer increasing sample throughput. Once multiple runs are generated, they can be combined into a single analysis of up to 10 runs for a total of 480 samples. The user-friendly software is packed full of intelligent analysis features. With an intuitive software layout, run setup and analysis become simple and several quality control features provide confidence in the final result.

Product specification:

Samples	Up to 48 per run												
Reaction Volume Range	5 - 30 μ l												
Detectors	High sensitivity photodiode per channel												
Excitation Sources	High energy light emitting diode per channel												
Channels	<table border="0"> <tr> <td>Green</td> <td>Ex. 465 nm</td> <td>Em. 510 nm filters</td> </tr> <tr> <td>Yellow</td> <td>Ex. 540 nm</td> <td>Em. 570 nm filters</td> </tr> <tr> <td>Orange</td> <td>Ex. 585 nm</td> <td>Em. 618 nm filters</td> </tr> <tr> <td>Red</td> <td>Ex. 635 nm</td> <td>Em. 675 nm filters</td> </tr> </table>	Green	Ex. 465 nm	Em. 510 nm filters	Yellow	Ex. 540 nm	Em. 570 nm filters	Orange	Ex. 585 nm	Em. 618 nm filters	Red	Ex. 635 nm	Em. 675 nm filters
Green	Ex. 465 nm	Em. 510 nm filters											
Yellow	Ex. 540 nm	Em. 570 nm filters											
Orange	Ex. 585 nm	Em. 618 nm filters											
Red	Ex. 635 nm	Em. 675 nm filters											
Acquisition time	1 s												
Temperature Accuracy	\pm 0.25 $^{\circ}$ C												
Ramp Rates	Heating: 5 $^{\circ}$ C/s (fast mode) Cooling: 4 $^{\circ}$ C/s (fast mode)												
Temperature Input Range	35 - 99 $^{\circ}$ C (min 40 $^{\circ}$ C when cycling)												
Operating Environment	Temperature: 18 - 35 $^{\circ}$ C Relative Humidity: 20 - 80%												
Dimensions	150mm(W) x 150mm(L) x 130mm(H) (265mm lid open)												
Weight	2.1 kg												

Benefits of the system:

- Compact size and light weight
- Fast processing of 48 samples (< 25 min)
- Small amount of sample needed
- Magnetic induction heating/cooling technology
- Four light channels
- Automatic reagents loading
- Multi application: PCR, qPCR, melting curve
- Multiple instruments connection via Bluetooth



Ref.	Description
1N400S	SENTiNAT [®] MICRO Magnetic Induction Cycler qPCR Machine
DS0100	MICRO Tubes and Caps (Rack) 12 boxes with 960 tubes each

Sentinel CH. SpA

Via Robert Koch, 2 • 20152 Milan - Italy
 Phone: +39 02 3455141 • Fax: +39 02 34551464
 sentinel@sentinel.it • www.sentinel diagnostics.com



SENTINEL
DIAGNOSTICS