



Mago 4

- > Walk-away and random access system that allows processing of samples in ELISA, IFA, hemoagglutination (TPHA) and seroagglutination (Widal-Wright) methods simultaneously
- > Positive samples and reagents identification
- > Disposable tips capability for sample and reagent delivery
- > Multitasking software platform (Windows XP)
- > Complete integration with LIS system
- > Bidirectional external connections and remote diagnosis capability.
- > Levey-Jennings and Westgard's rules programs on board
- > Multilingual and intuitive software
- > Customized medical report





General Performances

Perform up to 4 ELISA plates, or up to 16 IFA slides, or a combination in parallel.

One specific reagent-rack for reagent bottles (diluent, conjugates, substrates) and for tubes (standards, controls, samples, pre-dilution, etc.). Reagents may be positioned directly on rack avoiding manipulation.

IFA tests on slides are performed as screening and/or titration, with a serial dilution capability.

Simplify operations through remote diagnostics.

Separate built-in compartment for compressor and tubes. Dedicated drawer for high volume bottles (washing buffers, distilled water, waste) checked by a proper liquid level sensor.

Positive sample and reagents identification.

Disposable tips for sample and reagent delivery.

One teflon-steel needle with disposable tips option (both with liquid level-sensor) for samples and reagents. The IFA slides washing step is performed by the needle well by well separately to avoid any risk of cross-reaction.

Washing manifold with 16 probes, 8 for aspiration (longer) and 8 for dispensing (shorter). The automated well-washing is performed at customized volumes and cycles.

The independent incubation system allows a different temperature for each plate (between room temperature and 55°C).

Integrated microplate reader with halogen lamp, optical fibres and a set of interferential filters, with three wavelengths reading capability.

Flat colour screen.

Levey-Jennings and Westgard's rules programs on board.

Possibility to export results in excel format.

Easy and fast loading of slides on holders.

Technical data Sheet

Computer Characteristics:

8,4 Flat Colour Monitor
Pentium® processor or higher
80 GB hard disk or higher
512 MB RAM (expandable)
USB port
serial port
parallel port
ethernet port

Reader Characteristics:

O.D. linearity: 0-3.000 O.D.
wavelength: 400-800 nm/340-750 nm
accuracy: +/- 1% and +/- 0.005 OD at 1,5 OD
precision: +/- 0,5% and +/- 0,005 OD at 1,5 OD
available filters: up to 6
light source: 35 W halogen lamp
reading speed: 7 seconds per plate

Universal bar-code system:

code 39
UPC/EAN
code 93
code 128
discrete 2 of 5
codabar
MSI UCC/EAN 128
interleaved 2 of 5

Power Supply:

voltage: 115-230 Volts
frequency: 50-60 Hz
absorbance: 4-7 A
maximum power: 200 Watt

Dimensions:

length: 120 cm
height: 69,5 cm
depth: 60 cm
weight: 85 Kg

Atmospheric conditions:

room temperature: 10° - 30°C
maximum humidity: < 80%
maximum altitude: < 2.000 m

Water required:

distilled or deionized

Start-up:

less than 3 minutes

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