Automated ELISA processor

ELISAPro
by vmrd

FULLY-AUTOMATED PROCESSING, MODULAR DESIGN
A one-plate ELISA processor, the ELISAPro is customizable, time saving, and cost-effective. The ELISAPro is a compact machine that provides all of the tools for processing ELISA assays in a cost-effective package.

Modular design
with **optional**

Convection Incubator
Linear Shaker

Features
and **benefits**

Programs to run VMRD assays
Intuitive User Interface
Space Saving Design - Fits Standard 60 cm lab bench
96 Sample Capacity
High Precision Syringes
Exterior Status Indicator Light
LIS Connectivity
Competitive Pricing
Low Consumable Costs (no disposable tips)

Validated to run

☑ *Anaplasma* v2
☑ *Babesia caballi*
☑ BLV
☑ BTV v2
☑ EIA v2
☑ Johne's
☑ Johne's - Goat Serum
☑ *Neospora caninum*
☑ SRLV v2
☑ *Theileria equi*

UNIQUE FEATURES		
System Architecture	Open, fully customizable
High-Precesion Micro-Syringe	Aspirate 1 µl with < 3% CV...
On-board Reader(s)	Spectrophotometer, or Spectrophotometer + Fluorescence Combo Reader
Forced Convection Incubator	Evenly heats to eliminate "Edge Effect"
Linear Shaker	Precise adherence to assay protocols/No-spill design
Small Footprint	Fits on a 60 cm deep standard laboratory bench

TECHNICAL SPECS	
Sample Capacity	96 patient sample positions
Reagent Positions	9 custom reagent positions (22-35 mm diameter bottles accepted)
Test Tubes	Accepts standard 12, 13, and 16 mm diameter tubes, up to 100 mm tall (custom racks available)
MTP Positions	1 position
Pre-dilution MTP Positions	1 position
Well Tracking	Independent well tracking and timing
Wash Bottles	2 external wash bottle positions
Probe/Needle	Single probe, dual needle
Dispense Volume	Up to 300 µl
Aspiration Volume	1 µl
Incubation Temperature	Room temperature to 40°C
Spectrophotometer	405, 450 ,490, 550 and 630 nm wavelengths standard (custom available), 0 to 3.0 OD
Chemiluminescence Photomultiplier Tube (PMT)*	Detection type: glow, Spectral range: 300-500 nm, Dark count: 50 counts per second (standard), Measuring time: 200 ms (adjustable 1 to 1000 ms), Dynamic range: 6 decades (*optional configuration)
Shaker Speed	Up to 900 RPM
Power Supply	100-265V
Dimensions	W: 48.3 cm, D: 53.3 cm, H: 55.8 cm (W: 19.0 in, D: 21.0 in, H: 22.0 in)
Weight	27 kg (59.5 lbs.)
CE Marked	Yes

SOFTWARE SPECS	
Language	Multi-language support
Calculations	Point-to-point, linear regression, cubic spline, 4PL, 5 PL, Lin-Lin, Lin-Log, Log-Log representation
Architecture	Fully customizable
Protocol Design	Fully open and configurable test designer; custom reports
LIS Integration	Bidirectional, RS232, USB, TCP/IP
User Interface	MS Windows Graphical User Interface (Windows 7 or above)