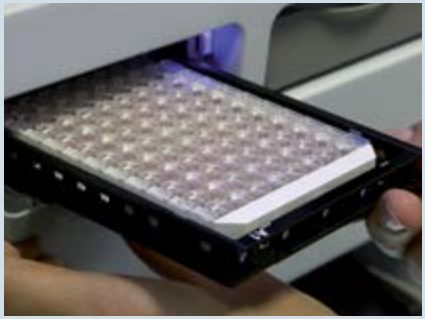
TestLine
Clinical
Diagnostics

Agility®

Fully automated ELISA processor compatible with TestLine SmartKits®

www.testlinecd.com

Agility®



The instrument redefining ELISA processing with major impact on automation, ease of use, reagents loading, hands on time, productivity and intelligence. Now compatible also with TestLine SmartKits® for the most comprehensive ELISA utilization.

Agility® significantly reduces the total assay time as well as loading of reagents. The system allows up to 16 SmartKits® to run simultaneously as well as to keep 12 plates on board at one time. All consumables for each assay are already prepackaged in the TestLine SmartKit® for the maximum user comfort and safety.

The new dimension in ELISA processing
The true solution for walkaway performance

Automation

- Up to 16 SmartKits® carriers stored on-board for simultaneous runs
- Flexible throughput allows up to 12 plates on-board at once
- Up to 200 sample tubes on-board with additional continuous load capability
- Utilizes three precision robotic arms to obtain maximum process efficiency
- Comprehensive monitoring system measuring consumables levels

Ease-of-use & hands on time

- Intuitive, easy-to-use interface
- Eliminates most of ELISA's labor-intensive, front-end setup
- Reduces hands-on time by two-thirds of typical open systems
- Barcoding eliminates manual data input
- Comprehensive LIS integration
- Continuous sample loading allows operator to begin loading and running microplates as they are ready, instead of all at once

Reagent loading

- Eliminates nearly all manual liquid-transfer steps
- Free up significant labor time and allows for multitasking
- Illuminated, color-coded access positions allow simple loading of all kits, tips, microplates and other consumable items, preventing loading errors
- 2D barcodes printed on kits provide accurate and secure information
- Inventory tracking allows for maximum materials efficiency

Safety

- Pre-packed TestLine SmartKits® with printed barcodes
- Sample tube barcode scan
- Automatic tube type recognition
- Automatic strip check
- Color-coded access positions

Agility® Parameters

Dimensions	
Width:	*<1250 mm*
Depth:	*<900 mm*
Height:	*<1230 mm*
Footprint:	*<1200 x 650 mm*
Bench Weight:	*213 kg (max.)*
Ship Weight:	*296 kg (max.)*
Noise:	*Noise output <80 dB*
Power Requirements	
Voltage:	*100 – 240V automatic switching*
Frequency:	*50/60 Hz*
Power Consumption:	*Typically 400 VA (online UPS required)*
Reader Specifications	
Photometric Range:	*0.000 to 3.500 OD*
Spectral Range:	*405 nm to 690 nm*
Precision:	*±0.010 OD at 0.000 to 0.500 OD*
	<1% CV at 0.501 to 2.000 OD
	<1.5% CV at 2.001 to 2.500 OD
Accuracy:	*±0.01 or 2.5%*
	(0.000 to 3.000 OD) whichever is greater
Read Time:	*<30 seconds, single wavelength*
	<50 seconds, dual wavelength
Washer Specifications	
Manifold Configuration:	*8-way wash head*
Programmable Volumes:	*50-999 µl*
Wash Containers:	*4 wash bottles at 3.0 L, with quantitative level sensing*
Clean Container:	*1 wash bottle at 3.0 L, with quantitative level sensing*
Waste Container:	*10 L with quantitative level sensing*
Residual Wash Volume:	*<3 µl per well with dual-axis sweep in a at bottom well*
Dispense Precision:	*≤5% CV (with 300 µl in a 96 well plate)*
Incubator Specifications	
Number of Incubators:	*Up to 12 (6 Ambient / 6 Elevated)*
Temperature Range:	*RT + 4° C to 45° C (Elevated Incubator)* *RT + 4° C (Ambient Incubator)*
Temperature Accuracy:	*± 1° C*
Shaking:	*14 Hz periodic or continuous*
System Specifications	
Number of Plates:	*12 (additional continuous load capability)*
Number of Sample Tubes:	*200 (additional continuous load capability)*
Number of Reagents:	*Up to 16 different SmartKit™ Reagent Packs simultaneously (additional packs can be added using continuous load capability)*
Number of Pipettes:	*2 (sample + reagent)*
Sample Pipetting Specifications	
Sample Tip Size:	*300 µl*
Sample Pipetting Volume:	*10-300 µl*
Time to Dispense:	*11 minutes (typical) 50 µl of 96 samples to plate from sample tubes or deep well plates*
Sample Pipetting Precision:	*≤3% CV (at any operating volume above 10 µl)*
Sample Pipetting Accuracy:	*± 2% of target volume*
Dilution Range:	*1 part in 199 one-stage dilution,*
	1 part in 39,601 two-stage dilution
Number of Sample Tips:	*20 racks of 112 tips (additional racks can be added using continuous load capability)*
Sample Tube Dimensions:	*10-17 mm diameter external dimension, 45-100 mm depth*
Reagent Pipetting Specifications	
Reagent Tip Size:	*1200 µl*
Reagent Pipetting Volume:	*20-1200 µl*
Number of Reagent Tips:	*1 rack of 98 tips (additional racks can be added using continuous load capability)*
Reagent Pipetting Precision:	*≤3% CV at 10 shots at any volume in operating range*
Reagent Pipetting Accuracy:	*±2% of target volume (single shot mode)*
Regulatory Compliance	
Certified:	*ISO13485*
Electromagnetic Perturbation:	*EMC Directive 2004/108/EC:* *EN 61326-2-6:2006, IEC 61326-1:2006*
Electrical Safety:	*BS EN 61010-1:2001, IEC 61010-1:2001,* *IEC 61010- 2-101, ETL marked*
Lead-free:	*All components are RoHS compliant*
IVDD:	*CE marked per IVD 98/79/EC Directive*

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