



# DYNEX® AGILITY®

## SYSTEM TECHNICAL SPECIFICATIONS

Designed for high-volume processing, the DYNEX® Agility® allows for simultaneous runs of multiple ELISA tests, with walk away processing and accuracy, you can depend on.

## Physical Specifications

Dimensions	Metric	Non Metric
Width:	125 cm	50 in
Depth:	90 cm	36 in
Height:	123 cm	49 in
Footprint:	1.16 sq m	12.5 sq ft
Bench Weight:	213 kg (max.)	469 lbs (max.)
Ship Weight:	296 kg (max.)	650 lbs (max.)
Noise Output:	< 70 dB	

## Power Supply Requirements

Voltage:	100 - 240 V automatic switching
Frequency:	50/60 Hz
Power Consumption:	Typically 400 VA (online UPS required)

## System Specifications

Number of Plates:	12 (additional continuous load capability)
Sample Capacity:	200 (additional continuous load capability)
Continuous Sample Loading:	Yes
Sample Tube Size:	10 mm - 17 mm diameter / 45 mm - 100 mm height
Number of Reagents:	Up to 16 different SmartKit® reagent packs simultaneously (additional packs can be added using continuous load capability)
Number of Standard/Control Bottles:	Included in each SmarKit reagent pack
Dilution Wells Capacity:	Up to 384 deep-well strips (48 x 8)
Sample Tip Capacity:	Up to 2,240 (20 x 112 with additional continuous load capability)
Reagent Tip Capacity:	Up to 98 tips (additional continuous load capability)

## Reader Specifications

Photometric Range:	0.000 - 3.500 OD
Spectral Range:	405 nm - 690 nm
Filter Slots:	6 wavelength
Precision:	±0.010 OD at 0.000 - 0.500 OD < 1% CV at 0.501 - 2.000 OD < 1.5% CV at 2.001 - 2.500 OD
Accuracy:	±0.01 or 2.5% (0.000 - 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 µl - 999 µL
Wash Buffer Capacity:	4 wash bottles at 3.0 L with quantitative level-sensing
Residual Wash Volume:	< 3 µl per well with dual-axis sweep in a flat-bottom well
Dispense Precision:	≤ 5% CV (with 300 µl in a 96 well plate)
Waste Container:	10 L with quantitative level-sensing

Attributes and specifications subject to change without notice.

## Incubator Specifications

Number of Incubators:	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
Temperature Monitoring:	Yes

## Reagent Pipetting Specifications

Reagent Tip Size:	1,200 µL
Reagent Pipetting Volume:	20 µL - 1,200 µL
Reagent Pipetting Precision:	≤ 3% CV at 10 shots at any volume in operating range
Reagent Pipetting Accuracy:	±2% of target volume (single-shot mode)

## Sample Pipetting Specifications

Sample Tip Size:	300 µL
Sample Pipetting Volume:	10 µL - 300 µL
Sample Pipetting Precision:	≤ 3% CV (at any operating volume above 10 µL)
Time to Dispense:	11 minutes (typical) 50 µl of 96 samples to plate from sample tubes or deep-well plates
Sample Pipetting Accuracy:	±2% of target volume
Dilution Range:	1 part in 199 one-stage dilution 1 part in 39,601 two-stage dilution

## Process Security

Liquid Level Sensing:	Yes (reagents, controls and samples)
Level Sensor System:	Pressure differential
Clot Detection:	Yes
Dispense Anomaly Detection:	Yes
Tip Detection:	Yes
Electronic Signature Pipetting:	Yes
Alarms:	Yes

## Software

Controlling Software:	Agility software
Work Protocols (Assays):	Unlimited
Data Processing:	Quantitative and qualitative
Levey-Jennings:	Yes
Westgard Rules:	Yes
Process Reporting:	Event log + error log
Automatic Error Recovery:	Yes
Password Access Control:	Yes

## Ordering Information

Product #	Instrument
67000	Agility System
Product #	Accessories / Consumables
67910	Sample Tips (896/pack)
67920	Reagent Tips (490/pack)
62910	Deep-Well Strips (250/box)
24902350	Bronze Kit Insert
67960	Bronze Kit Troughs (50/pack)
65950	Reagent Tubes, 25 mL (24/pack)
65940	Control Vials with Caps (33/pack)
67930	Dilution Strip Holder + Barcode
67940	Mixing Well Strip Holder + Barcode
67951	Mixing Well Strips; Blue (125/box)
53000180	Barcode Labels

Contact our Global Customer Service team to place your order today.

U.S. Toll Free: 800.288.2354 – Ext. 3  
Fax: +1.703.803.1441  
Email: [customerservice@dynex.com](mailto:customerservice@dynex.com)

For more information on how DYNEX can help you achieve optimal laboratory proficiency, contact your local DYNEX business partner.

### CORPORATE HEADQUARTERS

**DYNEX Technologies, Inc.**  
14340 Sullyfield Circle  
Chantilly, VA 20151  
Tel: +1.703.631.7800  
[dynextechnologies.com](http://dynextechnologies.com)

### GLOBAL LOCATIONS

**DYNEX Technologies, GmbH - Germany**  
Email: [dynexgermany@dynex.com](mailto:dynexgermany@dynex.com)

**DYNEX Technologies, Ltd. - China**  
Email: [dynex-asia@dynex.com](mailto:dynex-asia@dynex.com)

For questions related to service appointments or DYNEX instruments:

**Global Technical Services**  
U.S. Toll Free: 800.288.2354 – Ext. 4  
Fax: +1.703.803.1441  
Global: +1.703.631.7800  
Email: [techservice@dynex.com](mailto:techservice@dynex.com)

For questions related to new or existing orders:

**Global Customer Service**  
U.S. Toll Free: 800.288.2354 – Ext. 3  
Fax: +1.703.803.1441  
Email: [customerservice@dynex.com](mailto:customerservice@dynex.com)

Refer to User Manual for full explanation of instrument operations and maintenance.

©2023 Dynex Technologies, Inc. All Rights Reserved. | 032-V2-2023 | Item approved for Global Use.