

AMPLIFY YOUR ASSAY RESULTS WITH TOTAL LABORATORY AUTOMATION



Optimize your lab with DYNEX®

Powerful and precise, our U.S. manufactured, ISO-certified diagnostic instruments offer increasing levels of throughput that meet heightened testing demand and deliver accurate results with confidence.

Open platforms like ours are vetted across multiple diagnostic testing specialties, with over 1,000 established protocols spanning a variety of clinical assays worldwide. Rather than restricting you to specific proprietary products, our systems allow you to work with a wide range of reagents and assays from various manufacturers.

Diagnostic versatility to support your specific needs

No matter your diagnostic specialty, our versatile and scalable solutions can be customized to your laboratory. Whether you need to accommodate

diverse sample types, test for various disease states, or process commercial kits and lab-developed tests on the same platform, DYNEX can propel your lab forward.

With our fully automated ELISA systems, you can:

- ✓ Offer a broader assay menu without being locked into a closed system
- ✓ Streamline your workflows and reduce hands-on time
- ✓ Process more samples simultaneously and increase your efficiency
- ✓ Analyze samples with precision and generate reproducible results
- ✓ Create easy-to-follow standard operating procedures across multiple locations
- ✓ Reduce the number of manual tasks and the need for additional staffing

Simplify your workflow. Increase your efficiency. Unlock superior precision.

DS2® Elite



DSX®



**Agility® /
Agility® Integra**



DS2® Elite

DSX®

Agility® / Agility® Integra

PHYSICAL SPECIFICATIONS

Dimensions (W x D x H)	21" x 27.5" x 26.25"	39" x 31" x 32.25"	47" x 30.25" x 47"
Footprint	3.9 sq ft	10.5 sq ft	12.5 sq ft
Bench Weight	120 lbs	270 lbs (max)	560 lbs (max)
Noise Output	<78 dB	<70 dB	<70 dB

SYSTEM SPECIFICATIONS

Number of Plates	2	4	12
Assays per Plate	Up to 12	Up to 12	Up to 4
Sample Capacity	100*	98*	200*
Continuous Sample Loading	●	●	●
Number of Reagents	Up to 8 (25 mL tubes) Up to 10 (15 mL tubes)	Up to 24 (25 mL tubes)	Up to 12 SmartKit® reagent packs simultaneously
Number of Standard/Control Bottles	24 (2 mL vials)	33 (1.5 mL vials)	Included in each SmartKit® reagent pack
Number of Pipettes	1	1	2
Pipette Tip Type	Disposable	Disposable	Disposable

NOTE:

* Additional samples can be added with continuous loading when sample racks are available

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READER SPECIFICATIONS

Photometric Range	0.000 - 3.500 OD	0.000 - 3.500 OD	0.000 - 3.500 OD
Spectral Range	405 - 690 nm	405 - 690 nm	405 - 690 nm
Accuracy	± 0.005 OD or 2.5% (0.000 - 3.000 OD) whichever is greater	± 0.01 OD or 2.5% (0.000 - 3.000 OD) whichever is greater	± 0.01 OD or 2.5% (0.000 - 3.000 OD) whichever is greater
Read Time	<30 sec (single wavelength)	<10 sec (single wavelength) <20 sec (dual wavelength)	<30 sec (single wavelength) <50 sec (dual wavelength)

WASHER SPECIFICATIONS

Manifold Configuration	8-channel wash head	8-channel wash head	8-channel wash head
Programmable Volumes	50 - 1,000 µL	50 - 999 µL	50 - 999 µL
Wash Buffer Capacity	2 wash bottles at 2.0 L, with level-sensing	4 wash bottles at 2.0 L, with level-sensing	5 wash bottles at 3.0 L, with level-sensing
Residual Wash Volume	<3 µL with super sweep	<3 µL per well with dual-axis sweep in a flat-bottom plate	<3 µL per well with dual-axis sweep in a flat-bottom plate
Dispense Precision	≤ 5% CV (with 300 µL in a 96 well plate)	≤ 5% CV (with 300 µL in a 96 well plate)	≤ 5% CV (with 300 µL in a 96 well plate)

INCUBATOR SPECIFICATIONS

Number of Incubators	2	Up to 4	12 (6 ambient, 6 elevated)
Temperature Range	Ambient +4° - 40°C	RT +7° - 50°C (elevated incubator) RT +5°C (ambient incubator)	RT +4° - 45°C (elevated incubator) RT +4°C (ambient incubator)
Temperature Monitoring	●	●	●

REAGENT PIPETTING SPECIFICATIONS

Reagent Tip Size	1,300 µL	1,300 µL	1,200 µL
Reagent Pipetting Volume	20 - 1,000 µL	20 - 1,000 µL	20 - 1,000 µL

SAMPLE PIPETTING SPECIFICATIONS

Sample Tip Size	300 µL	300 µL	300 µL
Sample Pipetting Volume	10 - 300 µL	10 - 300 µL	10 - 300 µL

Scalable, automated solutions for your fast-paced laboratory



	<i>DS2® Elite</i>	<i>DSX®</i>	<i>Agility® / Agility® Integra</i>
PROCESS SECURITY			
Liquid Level Sensing (reagents, controls, and samples)	●	●	●
Clot Detection	●	●	●
Dispense Anomaly Detection	●	●	●
Tip Detection	●	●	●
Electronic Signature Pipetting	●	●	●
Alarms	●	●	●
Barcode Reader	●	●	●
Multi-Shot Dispense for Sample Replicates	●	●	●
Wash Plate Adjustments	●	●	●

SOFTWARE			
Controlling Software	DS-Matrix®	Revelation®	Agility®
LIMS Connectivity with Enabling Software	● Co-Connect™	● LIS-LINK®	● LIS-LINK® (Agility) Co-Connect™ (Agility Integra)
Levey-Jennings	●	●	●
Automatic Error Recovery	●	●	●
Password Access Control	●	●	●
21 CFR Part 11 Compliant			● (Agility Integra only)



Rely on high-quality DYNEX® tips

With tip detection on each of our diagnostic instruments, you can rest assured that reagent and sample transfers are effortless. DYNEX tips are designed and manufactured with proprietary validation and quality control protocols to ensure optimal instrument performance. Additionally, we verify proper fit of pipette tips to facilitate reliable transfers that maintain test integrity and laboratory schedules.

	<i>DS2® Elite</i>	<i>DSX®</i>	<i>Agility® / Agility® Integra</i>
CAPACITIES			
Sample Tip Capacity	216 tips (2 x 108)	432 tips (4 x 108)	Up to 2,240 tips (20 x 112 with additional continuous load capability)
Reagent Tip Capacity	20 tips	41 tips	Up to 98 tips (additional continuous load capability)
Dilution Wells Capacity	Up to 96 deep-well strips (12 x 8)	Up to 192 deep-well strips (24 x 8)	Up to 384 deep-well strips (48 x 8)



All consumables are designed, tested, and verified with our instruments to provide the most reliable, accurate results, every time.



Consumables to enhance your laboratory's performance



Discover the DYNEX® difference. Order today!

Instruments

DS2® Elite 2-Plate System

Product #	Description
62010	DS2® Elite with Barcode Scanner

DSX® 4-Plate System

Product #	Description
65100	DSX® Ambient
65110	DSX® Ambient with Barcode Scanner
65300	DSX® with 2 Incubators and Sample ID
65500	DSX® with 4 Incubators and Sample ID

Agility® / Agility® Integra 12-Plate System

Product #	Description
67000	Agility®
67000-AI	Agility® Integra



Accessories / Consumables

Product #	Description	DS2® Elite	DSX®	Agility® / Agility® Integra
65910	Sample Tips (432/box)	✓	✓	
67910	Sample Tips (896/pack)			✓
65920	Reagent Tips (432/box)	✓	✓	
67920	Reagent Tips (490/pack)			✓
62910	Deep-Well Strips (250/box)	✓	✓	✓
65940	Control Vials with Caps (33/pack)	✓	✓	✓
65950	Reagent Tubes, 25 mL (24/pack)	✓	✓	✓
62930	Reagent Tubes, 15 mL (10/pack)	✓		
65930	Deep-Well Microplate, 1 mL		✓	
67951	Mixing Well Strips, blue (125/box)			✓
67960	Bronze SmartKit Troughs (50/pack)			✓
67930	Dilution Strip Holder + Barcode			✓
67940	Mixing Well Strip Holder + Barcode			✓
24902350	Bronze SmartKit (for use with standard DYNEX tubes)			✓
53000180	Thermo Paper for Barcode Labels			✓

Contact us to learn more!

CORPORATE HEADQUARTERS

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