



# MESO™ QuickPlex SQ 120

## FEATURES AND SPECIFICATIONS

Lower Cost.  
More Results.



The QuickPlex™ instrument is the newest multiplexing instrument from MSD, offering affordable access to high-performance, electrochemiluminescence immunoassays. This compact system has been engineered for reliability, ease of use, and low cost of ownership. The combination of rapid read times and the ability to perform multiple, simultaneous tests on a single sample increases productivity, saves sample, and delivers results quickly. The QuickPlex has a wide menu of commercially available assay kits and a full line of components and reagents for developing your own assays.

### Affordability

- MSD's lowest priced ECL imager
- Special pricing for academic customers
- Low cost of ownership

### Performance

- ECL detection for best sensitivity and dynamic range
- Single and multiplex assays
- Single-well read mode for ultimate performance

### Assay Menu

- Wide menu of commercially available kits
- Full line of components for user-developed assays
- Fully compatible with all SECTOR® products

### Compact Size

- Small footprint – ¼ the size of MSD's SECTOR Imagers
- Simple set up, no special requirements
- Includes full-featured laptop

### Validated

- Developed under design control
- Windows 7 compatible
- Simple, fast, and secure data analysis with DISCOVERY WORKBENCH® software

### Convenience and Reliability

- Rapid read times (as fast as 90 seconds per plate)
- No fluidics – nothing to clog or clean
- No daily or monthly user maintenance

# MESO QuickPlex SQ 120 Specifications

Instrument Name	MESO QuickPlex SQ 120	
Instrument Catalog No.	A10AA-0	
Detection Technology	Electrochemiluminescence (ECL)	
Detection System	Cooled scientific-grade CCD camera and precision custom lens assembly	
Multiplexing Capability	Up to 10 assays/well	
Plate Compatibility	MSD 96-well SECTOR plates MSD QUICKPLEX® plates	
Sensitivity	Limits of detection as low as 0.05 to 1 pg/mL for many assays	
Dynamic Range	Greater than 10 <sup>5</sup>	
Read Volume (96-well plates)	150 µL	
Plate Read Time	SECTOR plates	1 min 30 sec
(Singleplex to 10-spot multiplex plates)	QUICKPLEX plates	2 min 45 sec
Throughput	SECTOR plates	40 plates/hr
	QUICKPLEX plates	22 plates/hr
Plate Stacker Capability	5 plates input stack / 5 plates output stack	
Operating Temperature Range	68°F to 78°F (20°C to 26°C)	
Operating Humidity Range	10% to 80% relative humidity (non-condensing)	
Maximum Altitude	6,500 ft. (1,900 meters)	
Storage Conditions	0°F (-18°C) @ 50% relative humidity to 122°F (50°C) @ 85% relative humidity (non-condensing)	
Measured Sound Level	59 dbA	
Weight	44.5 lbs. (20.2 kg)	
Size (W x D x H)	13 in. x 23 in. x 21 in. (33 cm x 58 cm x 53 cm)	
Power	100–240 VAC, 50–60 Hz / 170W	
Regulatory	Meets UL, CSA, FCC and applicable IEC safety and EMC standards, and carries the CE and cTUVus marks. Please contact MSD for more information on regulatory certifications.	
User Maintenance	None	
Warranty	One year limited warranty on parts and labor	

## Contact Information

Customer Service

Phone: 1-240-314-2795 . Fax: 1-301-990-2776 . Email: [customerservice@mesoscale.com](mailto:customerservice@mesoscale.com)

MESO SCALE DISCOVERY, MESO SCALE DIAGNOSTICS, MSD, DISCOVERY WORKBENCH, MULTI-ARRAY, MULTI-SPOT, QUICKPLEX, SECTOR, SECTOR PR, SECTOR HTS, SULFO-TAG, V-PLEX, STREPTAVIDIN GOLD, MESO, [www.mesoscale.com](http://www.mesoscale.com), SMALL SPOT (design), 96 WELL 1, 4, 7, & 10-SPOT (designs), 384 WELL 1 & 4-SPOT (designs), MSD (design), and SPOT THE DIFFERENCE are trademarks and/or service marks of Meso Scale Diagnostics, LLC.  
©2013 Meso Scale Diagnostics, LLC. All rights reserved.



MK-DS-185-v2-2013Sep

[www.mesoscale.com](http://www.mesoscale.com)