

AID *i*Spot Robot (ELROB07IFL)

High throughput 96 and 384-well plate EliSpot/FluoroSpot analysis

Designed for high throughput and traceable results, this is the ultimate tool for large groups of samples. The **AID *i*Spot Robot** can take up to 30 plates in one automated, walk-away process and will analyze them in less than 90 minutes. The system is designed to interpret enzymatic EliSpot assays as well as 1-, 2- and 3-color fluorescence EliSpot assays. The **AID *i*Spot Robot** simultaneously takes high resolution images, auto centers the well and counts according to user's settings.



Data acquisition is fully automated. In addition the count results can automatically be analyzed with the integrated rule compiler.

Customized robotic AID Reader Systems able to handle other plate formats or upscale for more plates per run on request. Please contact AID for details.

Key features of the AID *i*Spot Robot

- Hands-off, walk-away system
- Automatic barcode recognition
- Integrated system, not a reader/stacker solution
- Up to 30 96-well plates in one run
- Digital Firewire Camera, 2 megapixel, color, optimized for fluorescence imaging
- LED ring illumination, XBO light source, 3&1 filter wheel
- 2 narrow-band hard coated fluorescent filters (FITC and Cy3) on board, third filter on request
- Optimized for 1-, 2- and 3-color fluorescent analysis
- Controlled by a high-end PC; 24" 16:9 screen
- 120 mA @ 240 V/ 160 mA @ 110 V
- CE, DIN EN ISO 9001, DIN EN ISO 13485 certificated
- Manuals, videos and interactive help files included

AID iSpot Robot (ELROB07IFL) - Technical Specifications

Hardware	
PC system	High-end PC with Intel Core i7 processor, 8 GB RAM, ≥ 1TB hard disk 2 TB external hard disk, UPS 24" 16:9 screen
Fluorescent filter set and control	2 narrow-band filters on board, 4 positions filter/ LED changer
Fluorescent imaging	"FluoroAID", AID's image overlay technology
Illumination	Evenly spread, long life LED ring and external Xenon light source
Camera resolution and control	2 megapixel, optimized for fluorescent imaging, firewire-connected
Power input	120 mA @ 240 V/ 160 mA @ 110 V
Footprint	760x540x460 mm (Peripherals not included)
Software	
Operating system	Windows 7 or 10 Professional (64 bit)
AID Software	AID EliSpot V7.x
MS Office Version	MS Office 2010 Professional or higher
Additional software solutions	AID EliStat, AIDiagnostics
Plate formats and assays	
Applicable assays	EliSpot, FluoroSpot, Viral Plaque Assays, Neutralization Assays Others after consultation
Plate formats	96 and 384-well plates, up to 30 plates per run
Certifications/ Validations	
DIN EN ISO 13485:2012 + AC:2012	Yes
DIN EN ISO 9001:2008-12	Yes
DIN EN ISO 14971:2013-04	Yes
DIN EN 62304 (VDE 0750-101):2013-10	Yes
EN 61010-2-101:2002	Yes
DIN EN 62638:2010 -08 (VDE 701/702)	Yes
DIN EN 61326-2-6 (VDE 0843-20-2-6): 2006-10	Yes
CE	Yes
FDA 21 CFR Part 11	After consultation
Miscellaneous	
Software licenses	2 additional software licenses included
Time demand for complete analysis	≈3 min for a 96-well enzymatic plate, ≈10 min for a FluoroSpot plate
Maximum number of fluorescent filters	3
Warranty	2 years warranty, Service and Preventative Maintenance Contracts available
Delivery schedule	4-6 weeks after ordering
Installation & on-site training	Included in quoted price