AID *v*Spot Spectrum (VSR078IFL)

High resolution EliSpot/FluoroSpot Reader for various plate formats

The **AID *v*Spot Spectrum** is the new high-end EliSpot/FluoroSpot device from AID. It combines AID *i*Spot 96-well FluoroSpot analyzing with enzymatic multiple plate evaluation. On the enzymatic side the **AID *v*Spot Spectrum** can handle a variety of different assay types including Viral Plaque Assays and Neutralization Assays. Colony Counting is possible when performed in a 6-well plate format. Other formats on inquiry. Due to a genuine optical zoom, versatile stage settings and unique software features this reader is not restricted to the analysis of 96-well plate formats. It will also read 6, 12, 24, 48 and 384-well plates. The insertion of high resolution digital cameras provides well images of unprecedented quality.

The **AID *v*Spot Spectrum** is equipped with an 8 position filter wheel, which allows for a customized selection of up to 7 individual narrow-band fluorescent filters, whilst still allowing for our "one-click switch" to perform enzymatic analysis via LED illumination on different plate formats.

Key features of the AID *v*Spot Spectrum

- EliSpot, FluoroSpot, Virus Plaque Assays, Colony Counting
- <3 minutes for an enzymatic EliSpot plate, ≈10 minutes for a 2-color FluoroSpot plate
- Handles 6, 12, 24, 48, 96 and 384-well plates
- 2 Digital Firewire Cameras,5 megapixel each, color, optimized for fluorescence imaging
- LED ring illumination, XBO light source, 7&1 filter wheel
- 3 narrow-band hard coated fluorescent filters on board; FITC, Cy3 and Cy5. Others on request. Up to 7 separate filters
- Optimized for 1-, 2- and 3-color fluorescent analysis
- Controlled by a high-end PC; 24" 16:9 screen
- 170 mA @ 240 V/ 260 mA @ 110 V
- CE, DIN EN ISO 9001, DIN EN ISO 13485 certified
- Manuals, videos and interactive help files included

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AID *v*Spot Spectrum (VSR078IFL) - Technical Specifications

Hardware	
PC system	High-end PC with Intel Core i7 processor, 8 GB RAM, ≥ 1 TB hard disk 24" 16:9 screen
Fluorescent filter set and control	3 narrow-band hard coated filters on board, 8 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	5 megapixel, optimized for fluorescence imaging, firewire-connected 5 megapixel (6, 12, 24, 48, 96 and 384-well applications), firewire-connected
Power input	170 mA @ 240 V/ 260 mA @ 110 V
Footprint	430x430x550 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	6, 12, 24, 48, 96 and 384-well plates
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	7
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