

# AID Reader Systems

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## **AID Reader Systems comply with the requirements of “international regulatory guidelines”**

Our philosophy does not allow compromises. AID GmbH not only fulfills the basic requirements under consideration of the harmonized standards.

We do more!

Based on patient safety our company wants not only the highest security but also permanently satisfied customers and first-class quality. The following document provides an overview of the commitments, standards and management systems that help us to adopt the principles implemented in our company.

### **CE - Declaration of conformity**

#### **IVDD 98/79/EG**

Since 1998 AID's QM (Quality Management) complies with the European Law on Medical Devices (Medizinproduktegesetz), particularly with the in vitro diagnostic directive (IVDD) 98/79/EC (Instruction, Technical Documentation depended on product). IVDD covers the placing on the market and putting into service of in vitro diagnostic medical devices. AID GmbH developed and manufactured products meet all applicable requirements contained within the IVDD. AID GmbH products carrying the CE sign can be sold without further validation anywhere in the European Union.

### **Medical devices - Quality management systems - Requirements for regulatory purposes**

#### **DIN EN ISO 13485**

ISO 13485 is the harmonized standard for a quality management system for medical device companies. The ISO 13485 standard supplements ISO 9001 and has many of the same requirements. However, there are additional requirements for process control, design control, retention of records, accountability, traceability and more. AID GmbH is certified according to DIN EN ISO 13485.

ISO 13485 and 21 CFR Part 820 are harmonized.

### **Risk Assessment**

#### **DIN EN ISO 14971**

Medical devices - Application of risk management to medical devices. Since 2003 AID GmbH has introduced and maintained a risk management system according to ISO 14971.

## **Medical device software - Software life cycle processes**

### **DIN EN 62304**

Software is often an integral part of medical device technology. Establishing the safety and effectiveness of a medical device containing software requires knowledge of that the software is intended to do and demonstration that the use of the software fulfils those intentions without causing any unacceptable risks.

## **Application of usability engineering to medical devices**

### **IEC 62366-1**

IEC 62366 is a process-based standard that aims to help manufacturers of medical devices to design for high usability replace ISO/IEC 60601-1-6: Medical electrical equipment - Part 1-6: General requirements for safety - Collateral standard: Usability).

### **FDA 21 CFR Part 11**

Part 11 of the Code of Federal Regulations defines the criteria under which electronic records and electronic signatures are considered to be trustworthy, reliable and equivalent to paper records. The software of all AID devices can be adjusted to meet these requirements.

## **Safety**

### **DIN EN 61010-2-101**

Safety requirements for electrical equipment for measurement, control and laboratory use. Particular requirements for in vitro diagnostic (IVD) medical equipment to eliminate electrical hazards to operating staff.

### **DIN EN 62638**

Safety requirements for portable electrical equipment, e.g. computer.

## **Electromagnetic Compatibility (EMC)**

### **DIN EN 61326-2-6**

Electrical equipment for measurement, control and laboratory use - EMC requirements.

## **Environmental Aspects**

### **RoHS Directive 2011/65/EU - Restriction of Hazardous Substances**

This Directive restricts the use of potentially hazardous substances in electro-technical and electronic equipment (limits for the permissible levels), to ensure the required level of protection for people's health and environment.

### **WEEE - Waste of Electrical and Electronic Equipment directive 2012/19/EU**

The WEEE Directive set collection, recycling and recovery targets for all types of electrical goods.

## **Instruction, Technical Documentation**

AID Reader Systems technical documentation are generated during the product life cycle and refers to different documents with product related data and information such as product definition and specification, design, manufacturing, quality assurance, description of features, interfaces, service and repair of a technical product as well as its safe disposal.

For a detailed manual we refer to the User Guide inter alia.

## **GMP/GLP**

GMP is as a quality standard included in the German Law on Pharmaceutical Products (Arzneimittelgesetz). AID GmbH products (AID Reader Systems) are designed to work in a GMP/GLP environment according to GMP conditions. They can be adapted to individual customer wishes at any time to meet the requirements of the severe internal and external guidelines (GMP/GLP).

## Comparison of the AID Reader Systems

	AID Reader Systems						
	Classic	iSpot	iSpot Spectrum	iSpot Robot	vSpot	vSpot Spectrum	multiSpot
<b>Assay types</b>							
EliSpot Assay	yes	yes	yes	yes	yes	yes	yes
1-, 2- and 3- color FluoroSpot Assays	no	yes	yes	yes	no	yes	yes
Neutralization Assay	96-well	96-well	96-well	96-well	6- to 96-well	6- to 96-well	96-well
Virus Plaque Assay	96-well	96-well	96-well	96-well	6- to 96-well	6- to 96-well	96-well
Cell Counting	no	no	no	no	no	no	yes
HEp-2-screening	no	no	no	no	no	no	yes
HLA-screening	no	no	no	no	no	no	yes
Colony Counting	no	no	no	no	yes	yes	no
Other experiments	on inquiry	on inquiry	on inquiry	on inquiry	on inquiry	on inquiry	on inquiry
<b>Plate formats</b>							
6-, 12-, 24-, 48-well plates	no	no	no	no	yes	yes	no
96-well plates	yes	yes	yes	yes	yes	yes	yes
384-well plates	yes	yes	yes	yes	no	yes	yes
Glass slides	no	no	no	no	no	no	yes (4x)
Terasaki plates	no	no	no	no	no	no	yes
<b>Plates per run</b>	1	1	1	≤ 30	1	1	1
<b>Camera resolution, megapixel (MP)</b>	5 MP	2 MP	5 MP	2 MP	5 MP	5 & 5 MP	2 & 5 MP
<b>Objectives</b>	-	-	-	-	-	-	4x, 10x, 20x
<b>Max. no. of fluorescent filters</b>	0	3	7	3	0	7	3
<b>Narrow-band filters on board</b>	0	2	3	2	0	3	3
<b>Time demand (EliSpot, 96-well plate)</b>	≈3 min	≈3 min	≈3 min	≈3 min	≈3 min	≈3 min	≈3 min
<b>Time demand (FluoroSpot, 96-well plate)</b>	-	≈10 min	≈10 min	≈10 min	-	≈10 min	≈10 min

## AID Classic (ELR08)

### The basic 96- and 384-well plate ELiSpot Reader

This is the classic AID ELiSpot Reader type. The device is fast, efficient, user-friendly and has become one of the most successful ELiSpot Reader Systems on the market. The **AID Classic** interprets any type of ELiSpot plate, including all brands of membrane type plates, ELISA-style plates and low volume plates. The reader simultaneously takes high resolution images, auto centers the well and counts according to the user's settings.



Data acquisition is fully automated. Counting results and all other parameters can be exported to Word, Excel, PowerPoint, PDF or csv-files. A compact footprint of only 50 cm x 40 cm saves laboratory space.

### Key features of the AID Classic

- <3 minutes for complete interpretation of an enzymatic 96-well plate (incl. image capturing, counting, analyzing and data export)
- High resolution images with a 5 megapixels, firewire connected digital camera
- LED ring illumination
- Automated plate input/output module
- Controlled by a high-end PC; QHD, 27", 16:9 monitor
- Max. 550 mA @ 24 V DC
- CE marked, DIN EN ISO 13485 certified
- Manuals, videos and interactive help files included

## AID *iSpot* (ELR08IFL)

### The basic 96- and 384-well plate EliSpot/FluoroSpot Reader

The **AID *iSpot*** is one of the most successful EliSpot/FluoroSpot Reader developments in recent years. The **AID *iSpot*** for the first time allows analyzing both: Enzymatic and fluorescent (FluoroSpot) based EliSpot assays. The **AID *iSpot*** comprises the same outstanding functionality, such as layout-generator, rule-compiler, various export possibilities etc., as the AID Classic.



Beside all of the popular functions of the AID Classic, the **AID *iSpot*** simultaneously allows for 1-, 2- or even 3-color FluoroSpot analysis. A simple “one-click switch” between enzymatic and fluorescent mode, without the need of hardware changes, is enough to switch from one mode to the other.

### Key features of the AID *iSpot*

- Enzymatic and fluorescent analysis
- <3 minutes for an enzymatic EliSpot plate, ≈10 minutes for a 2-color FluoroSpot plate
- Digital firewire camera, 2 megapixels, 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
- Automated plate input/output module
- Controlled by a high-end PC; QHD, 27”, 16:9 monitor
- Max. 550 mA @ 24 V DC
- CE marked, DIN EN ISO 13485 certified
- Manuals, videos and interactive help files included

## AID *i*Spot Spectrum (ELR088IFL)

The ultimate high resolution 96- and 384-well plate EliSpot/FluoroSpot Reader

The **AID *i*Spot Spectrum** is the newest generation of the successful AID *i*Spot, the first commercially available combined EliSpot/FluoroSpot Reader. The **AID *i*Spot Spectrum** is equipped with a 7&1 filter wheel, which allows for a customized selection of up to 7 individual narrow-band hard coated fluorescent filters, whilst still allowing for our “one-click switch” to analyze enzymatic EliSpot assays via LED illumination.



The insertion of a high resolution 5 megapixel digital camera provides well images of unprecedented quality. Like in AID's *i*Spot Reader System the patented FluoroAID image overlay technology permits exact detection of cells secreting multiple cytokines.

### Key features of the AID *i*Spot Spectrum

- Enzymatic and fluorescent analysis
- Digital firewire camera, 5 megapixels, 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 fluorescent filters possible
- Optimized for 1-, 2- and 3-color fluorescent analysis
- Automated plate input/output module
- Controlled by a high-end PC; QHD, 27", 16:9 monitor
- Max. 750 mA @ 24 V DC
- CE marked, DIN EN ISO 13485 certified
- Manuals, videos and interactive help files included

## AID iSpot Robot (ELROB08IFL)

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 iSpot 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 iSpot 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 iSpot 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 megapixels, 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; QHD, 27", 16:9 monitor
- 120 mA @ 240 V/ 160 mA @ 110 V
- CE marked, DIN EN ISO 13485 certificated
- Manuals, videos and interactive help files included

## AID vSpot (VSR07)

The versatile Reader System for various plate formats

The **AID vSpot** is the new high-end device from AID that provides colorimetric/enzymatic multiple plate evaluation. The **AID vSpot** handles a variety of different assay types including EliSpot, Viral Plaque Assays and Neutralization Assays. Colony Counting is possible when performed in 6-well plate format. Due to a genuine optical zoom, versatile stage settings and unique software features this Reader System is not restricted to the analysis of 96-well plate formats. It additionally reads 6-, 12-, 24- and 48-well plates. The insertion of a high resolution digital camera provides well images of unprecedented quality.



### Key features of the AID vSpot

- EliSpot, Viral Plaque Assays, Neutralization Assays, Colony Counting ...
- <3 minutes to analyze a complete 96-well plate
- Handles 6-, 12-, 24-, 48-, and 96-well plates
- High resolution images via 5 megapixels, firewire connected digital camera
- LED ring illumination
- Controlled by a high-end PC; QHD, 27", 16:9 monitor
- 170 mA @ 240 V/ 260 mA @ 110 V
- CE marked, DIN EN ISO 13485 certified
- Manuals, videos and interactive help files included

## AID vSpot Spectrum (VSR078IFL)

High resolution EliSpot/FluoroSpot Reader for various plate formats

The **AID vSpot Spectrum** is the new high-end EliSpot/FluoroSpot device from AID. It combines AID iSpot Spectrum 96-well FluoroSpot analyzing with enzymatic multiple plate evaluation. On the enzymatic side the **AID vSpot 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 vSpot 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 vSpot 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 megapixels 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; QHD, 27”, 16:9 monitor
- 170 mA @ 240 V/ 260 mA @ 110 V
- CE marked, DIN EN ISO 13485 certified
- Manuals, videos and interactive help files included

## **AID *multiSpot* (MSR08)**

The multifunctional imaging device from AID

The **AID *multiSpot*** fulfills probably all needs in a modern immunology lab. Equipped with a combined EliSpot/FluoroSpot module for counting and interpreting enzymatic as well as fluorescent EliSpot assays this device also comes with an automated microscope. This unit is provided with 4x, 10x and 20x software controlled objectives, allowing for a simple switch between different magnifications.



The stage handles 96- and 384-well plates, up to 4 conventional slides or classical Terasaki plates. The software is adapted to FluoroSpot/EliSpot assays, HEp-2 screening, Cell Counting, HLA-screening and many more applications.

### **Key features of the AID *multiSpot***

- EliSpot, FluoroSpot, Cell Viability Tests, HLA-screening, HEp-2 screening, other applications on request
- Digital firewire camera, 5 and 2 megapixels, color, optimized for fluorescence imaging
- LED ring illumination, two XBO light sources, 3&1 filter wheel, 4x, 10x and 20x objectives on a software controlled objective changer (other objectives on request)
- 3 narrow-band hard coated fluorescent filters on board; FITC, Cy3 and Cy5. Others on request
- Optimized for 1-, 2- and 3-color fluorescent analysis
- Controlled by a high-end PC; QHD, 27", 16:9 monitor
- Max. 750 mA @ 24 V DC
- CE marked, DIN EN ISO 13485 certified
- Manuals, videos and interactive help files included

## AID *bacSpot* (BAC05) - Technical Specifications

<b>Hardware</b>	
PC	High-end PC, Intel Core i5 processor, 16 GB RAM, 256 GB SSD + 1 TB hard disk
Monitor	QHD, 27", 16:9
Illumination	Evenly spread, long life LED ring illumination, transmitted and reflected light
Camera resolution and control	5 megapixels, color, firewire connected
Power input	Max. 550 mA @ 24 V DC
Dimensions (DxWxH)	500x400x450 mm (Peripherals not included)
Barcode	On demand
<b>Software</b>	
Operating system	Windows 10 Professional (64 bit)
AID Software	AID BacSpot V2.x
MS Office	MS Office
Additional software solutions included	Colony Counting Software, Zone Sizing Software
<b>Plate formats and assays</b>	
Applicable assays	Colony Counting, Zone Sizing (Agar diffusion test)
Plate formats	60 mm & 90 mm Petri dishes. Others after consultation
<b>Certifications/ Validations</b>	
DIN EN ISO 13485:2016 + AC:2016	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
<b>Miscellaneous</b>	
Max. colonies per plate	up to 5,000
Colony resolution	≥ 0.07 mm
Measurement per plate	1 sec
Software licenses	2 additional software licenses included
Warranty	2 years warranty, Service and Preventative Maintenance Contracts available
Delivery schedule	4-6 weeks after ordering

## AID bacSpot Robot (BACROB08) - Technical Specifications

<b>Hardware</b>	
PC	High-end PC, Intel Core i7 processor, 32 GB RAM, 256 GB SSD + 2 TB hard disk
Monitor	QHD, 27", 16:9
Illumination	Evenly spread, long life LED ring illumination, transmitted and reflected light
Camera resolution and control	5 megapixels, color, firewire connected
Power input	Max. 900 mA @ 24 V DC
Dimensions (DxWxH)	530x990x630 mm (Peripherals not included)
Barcode	Integrated, automatic
<b>Software</b>	
Operating system	Windows 10 Professional (64 bit)
AID Software	AID BacSpot V2.x
MS Office	MS Office
Additional software solutions included	Colony Counting Software
<b>Plate formats and assays</b>	
Applicable assays	Colony Counting
Plate formats	60 mm or 90 mm Petri dish. Others after consultation
<b>Certifications/ Validations</b>	
DIN EN ISO 13485:2016 + AC:2016	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
<b>Miscellaneous</b>	
Max. colonies per plate	up to 5,000
Max. plates per run	100-160
Plates per hour	~ 150-250
Resolution	≥ 0.07 mm (60 mm Petri dish), ≥ 0.1 mm (90 mm Petri dish)
Measurement per plate	1-5 sec
Software licenses	2 additional software licenses included
Warranty	2 years warranty, Service and Preventative Maintenance Contracts available
Delivery schedule	4-6 weeks after ordering

## Service Overview

### AID Reader System Protection Packages

AID GmbH offers AID Reader System Protection Packages for AID Reader Systems to cover Preventative Maintenance visits, software updates, user training, system checks and repair. During the visit an AID service engineer will process a hardware and software performance check on customer site and provide a certificate about system conditions.

Please contact AID for details.

## Special Features

- **LED light source** for all AID Reader Systems with **fluorescence** applications. Advantages: Longer life time and less plate handling time - available on request
- **Apple iMAC Versions** for all AID Reader Systems - available on request
- **Uninterruptible Power Supply, UPS** - available on request
- **Barcode Scanner** - available on request
- **Punched Membrane Frame.** For customers who like to reanalyze assays where membranes were punched out of their plastic frame - available on request
- **Customized AID Reader Systems.** Please discuss tailor-made options with us

## AID Assays

AID offers CE/IVD marked ready to use 96-well plate EliSpot/FluoroSpot assays, pre-coated with primary antibody, in a complete kit containing secondary antibody, conjugate and substrate.

In addition, AID also provides a selection of CE/IVD marked ready to use kits for routine diagnostics, specific antigens are already included.

### EliSpot Kits - all CE/IVD marked

Customized kits available

Art.-No.	Product	Format
<b>Human</b>	<b>EliSpot Kits</b>	
ELSP 5000	Interferon- $\gamma$	1 x 96-well plate
ELSP 5050	Interleukin-2	1 x 96-well plate
ELSP 5060	Interleukin-4	1 x 96-well plate
ELSP 5010	Interleukin-5	1 x 96-well plate
ELSP 5040	Interleukin-10	1 x 96-well plate
ELSP 5082	Interleukin-17	1 x 96-well plate
ELSP 5500	Interferon- $\gamma$	1 x 96-well strip plate
ELSP 5650	Interleukin-2	1 x 96-well strip plate
ELSP 5660	Interleukin-4	1 x 96-well strip plate
ELSP 5610	Interleukin-5	1 x 96-well strip plate
ELSP 5400	Interleukin-10	1 x 96-well strip plate
ELSP 5682	Interleukin-17	1 x 96-well strip plate

Art.-No.	Product	Format
<b>Human</b>	<b>iSpot (FluoroSpot) Kits</b>	
ELSP 5710	Interferon- $\gamma$ + Interleukin-2	1 x 96-well plate
ELSP 5720	Interferon- $\gamma$ + Interleukin-5	1 x 96-well plate
ELSP 5730	Interferon- $\gamma$ + Interleukin-17	1 x 96-well plate
ELSP 6000	IFN- $\gamma$ + Interleukin-2 + Interleukin-17	1 x 96-well plate
ELSP 5810	Interferon- $\gamma$ + Interleukin-2	1 x 96-well strip plate
ELSP 5820	Interferon- $\gamma$ + Interleukin-5	1 x 96-well strip plate
ELSP 5830	Interferon- $\gamma$ + Interleukin-17	1 x 96-well strip plate
ELSP 6100	IFN- $\gamma$ + Interleukin-2 + Interleukin-17	1 x 96-well strip plate

Art.-No.	Product	Format
<b>Human</b>	<b>B-cell EliSpot Kits</b>	
ELSP 5210	B-cell EliSpot Assay - IgG	1 x 96-well plate
ELSP 5220	B-cell EliSpot Assay - IgA	1 x 96-well plate
ELSP 5230	B-cell EliSpot Assay - IgM	1 x 96-well plate
ELSP 5310	B-cell EliSpot Assay - IgG	1 x 96-well strip plate
ELSP 5320	B-cell EliSpot Assay - IgA	1 x 96-well strip plate
ELSP 5330	B-cell EliSpot Assay - IgM	1 x 96-well strip plate
<b>Human</b>	<b>EliSpot Quality Control Kits</b>	
ELSP 5150	EliSpot performance Kit PBMC	
ELSP 5160	EliSpot performance Kit blood	

### EliSpot Kits for routine diagnostics - all CE/IVD marked

Art.-No.	Product
ELSP 5540	<b>TB Spot Interferon-<math>\gamma</math></b> Interferon- $\gamma$ assay for the detection of TB specific T-cells.
ELSP 5530	<b>CMVSpot Interferon-<math>\gamma</math> *</b> Interferon- $\gamma$ assay for the detection of Cytomegalie-Virus (CMV) specific T-cells.
ELSP 5510	<b>LymeSpot Interferon-<math>\gamma</math></b> Interferon- $\gamma$ assay for the detection of Borrelia specific T-cells.
ELSP 5520	<b>EBVSpot Interferon-<math>\gamma</math></b> Interferon- $\gamma$ assay for detection of Epstein-Barr-Virus (EBV) specific T-cells.
ELSP 5560	<b>TransSpot Interferon-<math>\gamma</math> *</b> Interferon- $\gamma$ assay for monitoring of transplantation patients.

## EliSpot Antigens

Art.-No.	Product
	<b>Bacterial Antigens</b>
ELSP 5961	Myco Mix 1+2
ELSP 5905	Borrelia B31 Lysate
ELSP 5946	Borrelia OSP-Mix
ELSP 5919	Borrelia OSP C
ELSP 5958	<i>Borrelia miyamotoi</i>
ELSP 5903	PPD (Tuberculin)
ELSP 5922	<i>Chlamydia trachomatis</i> Lysate *
ELSP 5923	<i>Chlamydia pneumoniae</i> Lysate *
ELSP 5981	Ehrlichia Proteins
ELSP 5949	Yersinia YOP's
ELSP 5962	<i>Mycoplasma pneumoniae</i>
ELSP 5963	<i>Babesia microti</i>
ELSP 5964	<i>Bartonella henselae</i>
ELSP 5966	<i>Rickettsia</i> Panel 1

Art.-No.	Product
	<b>Fungi</b>
ELSP 5950	Aspergillus Peptide-Mix 1
ELSP 5951	Aspergillus Peptide-Mix 2
ELSP 5915	Candida Lysate
	<b>Mitogens</b>
ELSP 5901	PHA-P (Phytohaemagglutinin)
ELSP 5904	Pokeweed mitogen
	<b>Viral Antigens</b>
ELSP 5910	CMV Lysate *
ELSP 5944	CMV Peptide-Mix *
ELSP 5940	CMV pp65 *
ELSP 5943	CMV IE1 *
ELSP 5909	EBV Lysate
ELSP 5938	EBV Lytic-Mix
ELSP 5939	EBV Latent-Mix
ELSP 5924	EBV Peptide-Mix
ELSP 5916	HSV 1 Lysate
ELSP 5917	HSV 2 Lysate
ELSP 5965	VZV gE
ELSP 5972	VZV Latent-Mix
ELSP 5956	BKV Peptide-Mix VP1
ELSP 5957	BKV Peptide-Mix LT

ELSP 5947	JCV Peptide-Mix
ELSP 5970	HHV 6 B Mix
ELSP 5969	HHV 7 Mix
ELSP 5967	HHV 8 Lytic-Mix
ELSP 5968	HHV 8 Latent-Mix
ELSP 5971	HHV 8 Peptide-Mix
ELSP 5935	CEF Pool
	<b>Miscellaneous</b>
ELSP 5941	LFA-1 Peptide-Mix



## System Description

The AID Reader Systems are computer-based systems for the (semi)automatic interpretation of colorimetric assays in 6-, 12-, 24-, 48-, 96- and 384-well plates, as well as of fluorescent assays with up to three colors per well in 96-well plates (Plate formats are dependent on the AID Reader System model used. For an overview of the available AID Reader Systems please refer to our homepage [www.aid-diagnostika.com](http://www.aid-diagnostika.com) or our AID Product Overview brochure.).

AID Reader Systems are designed for routine usability, to give reproducible results in very little time. They work with all standard flat bottom 6-, 12-, 24-, 48-, 96- and 384-well plates (others on request).

AID Reader Systems are equipped to read, interpret and digitally store EliSpot-, FluoroSpot- and other data.

Since different types of assays give characteristic spot/plaque/foci/colony/... patterns, individual Count Settings for each assay type will be created, modified and selectively applied by the user.

AID Reader Systems consist of a Reader Unit that acquires the images of each well of the plate, and a Control Unit connected to the Reader.

The Reader Unit contains a high-end digital camera and a scanning stage which positions the wells in the camera view.

The Control Unit consists of PC and Software equipped to run the Reader Unit.

Each AID Reader System is delivered as a complete functioning system which also includes monitor, keyboard, mouse, QC plate, USB stick, AID Software Card and User Guide.

Do not replace any of these items without first contacting AID GmbH, as this may impair system performance. The PC must not be used to run software or equipment not supplied by AID GmbH. AID GmbH will assume no responsibility for this and warranty will be impaired.

## Manufacturer details

### Manufacturer AID Reader Systems

Advanced Imaging Devices GmbH  
Ebinger Str. 4  
D-72479 Strassberg  
GERMANY



### VAT Number

DE 246 217 077

### Legal

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### VAT Number

DE 183 244 680

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#### Attention:

Due to the more restrictive regulations by the U.S. Food and Drug Administration (FDA), the IVD label is not applicable for the U.S. American market and markets that apply respective FDA regulations.