



Autoimmun Diagnostika GmbH  
Ebinger Str. 4  
D-72479 Straßberg  
Germany  
Tel. +49-(0)7434/9364-0  
Fax +49-(0)7434/9364-40

[www.colony-counter.com](http://www.colony-counter.com)

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## Products and services overview

AID manufactures the Colony Counter BacSpot robot. The Colony Counter BacSpot System and software can be used to image, store, organize and count bacterial colonies on standard culture dishes. It can also determine antibiotic resistance and inhibition with the same hardware. The fully automated Colony Counter systems recognize barcodes and export data to database, Excel or LIMS. The system is fully compliant with HACCP, 21CFR part 11 and CE requirements.

AID offers a high-throughput version of the Colony Counter/Zone Reader for labs with about 800 petri dishes per day.

AID Colony Counter BacSpot Robotic System is the automated solution for fast and accurate enumeration of bacterial colonies on different types of agar-plates that are used for microbial growth. This system is compact and is capable of handling more than 200 plates per hour. Each plate is recognized by bar-coding system. The barcode reader enters the plate ID data into the Colony Counter or Zone Reader BacSpot software. The system is designed for high throughput analysis and is suitable for large clinical laboratories, drug discovery programs, environmental monitoring, food and cosmetics industrial laboratories.

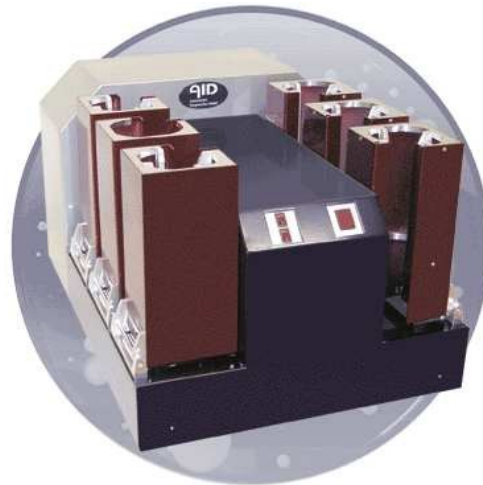
## Hardware Features of AID Colony Counter – BacSpot system



1. Manual system



2. Robotic for 90mm AGAR plates.



3. Robotic for 60mm contact plates.

- “Go-Away” Robotic System for 90mm, 60mm AGAR plates
- Manual BacSpot reader system with possibility to read all possible AGAR plates.
- Fully automatic handling of more than 200 AGAR plates per hour
- High resolution Colour progressive scan CCD firewire camera
- Using internal bar-coding system, or your personal existing barcodes
- Possible “top” or/and “through” light for better observing conditions



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## **Software Features of AID Colony Counter – BacSpot system**

- **User friendly Software interface**
- **Possible to use “Colony Counter” and “Zone Reader” software with same hardware**
- **User Management System for users with different privileges**
- **Digital zooming**
- **Handling for variety of formats i.e. JPEG, BMP, TIFF**
- **Original BacSpot® real-time algorithms for precise colony recognition and counting**
- **Integrated interpretation algorithms (Positive/Negative). Automatic sorting of Positive/Negative plates**
- **Count accurately even thousands of colonies**
- **Saving and restoring at any time ALL parameters for all plates, processed with the system**
- **Possibilities to edit results of colony counting manually with special notes in plate history and audit trails.**
- **Saving history of manipulations for every plate**
- **Fully automated documenting process**
- **Audit trails**
- **Customisable reports for viewing and printing**
- **Possible to count Absolute CFU automatically (using a dilution factor)**
- **Internal database with possibilities to extend functionality**
- **Import working list from LIM System**
- **Export results to LIM System**
- **Fully customisable exporting to Excel, Text, CSV and HTML formats**
- **Embedded internal QC (Quality Control) system**
- **Fully compliant of 21CFR part 11.**
- **Complies with GLP (Good Laboratory Practice)**



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## Validation on the AID EliSpot Products

### **CE**

Since 1998 AID's QM (Quality Management) complies with the German Law on Medical Products (Medizinproduktegesetz). AID products carrying the CE sign can be sold without further validation anywhere in the EU (European Union).

### **GMP**

GMP is as a standard included in the German law on Pharmaceutical products (Arzneimittelgesetz) with which we comply.

### **DIN EN ISO 9001**

Since 1998 our Quality Management system complies with ISO 9001 which was superseded by the DIN EN ISO 13485, year 2000 edition.

### **DIN EN ISO 60601-1-4**

This is the validation for software and hardware for medical products. This internationally accepted norm is largely identical to FDA requirements.

### **21CFR Part 11**

These are the FDA specifications for equipment used in clinical trials. This stresses requirements such as data organisation, audit trail and electronic signatures. We meet these requirements since the 3.0 AID EliSpot Software update.

All audits are carried out by the certifying organization DQS (Deutsche Gesellschaft zur Zertifizierung von Managementsystemen mbH).

## AID- your partner in clinical trials

AID has been the partner of choice for major clinical trials. For this we supply any of our readers set up for traceable results that will pass audit and revision. We also customize setup of the data acquisition according to your company's or institute's guidelines. For example, AID offers a precisely manufactured master plate for use in trials.



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## Services

### **Service Contract**

Extend your reader's warranty by entering in a service contract. Details on request.

### **Technical support**

We offer on-site, remote and online support for all our products. This includes secure modem access to the customers' system for troubleshooting as well as secure download for all customers through internet.

### **Training of users**

Users are carefully trained to use the equipment. A retraining or training of new users is available on request.