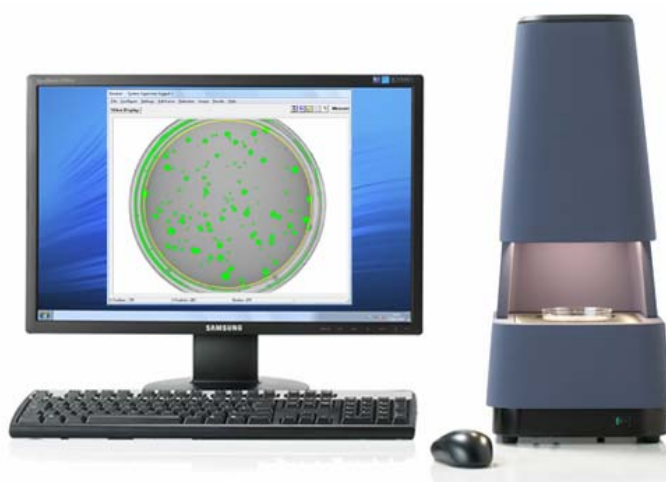


## INSTANT AUTOMATIC PLATE COUNTING



**Sorcerer™** is the latest in a highly successful series of colony counting systems from Perceptive Instruments. It combines sophisticated image processing and analysis with an innovative Petri-viewer to provide fast, accurate colony counts. Sorcerer is ideal for laboratories engaged in drug development and production, food and milk testing, environmental monitoring and public health.

- **Instant automatic plate counting**  
for microbial and mammalian cultures
- **Proven range of applications**  
including Ames tests, MLA, UDS, V79, HPRT, SBA
- **Sophisticated image processing**  
for accurate and reproducible counting and sizing
- **Meet regulatory requirements**  
with Sorcerer's comprehensive compliance options
- **Oracle database connectivity**  
for optimal security of result and audit data
- **Powerful Excel macros**  
for analysis & comparison of data
- **GLP and FDA 21 CFR Part 11 compliance**  
with audit trails, user permissions and database security
- **Comprehensively tested and validated**  
in accordance with our Quality Management System which is approved to ISO 9001:2008 incorporating ISO 9003

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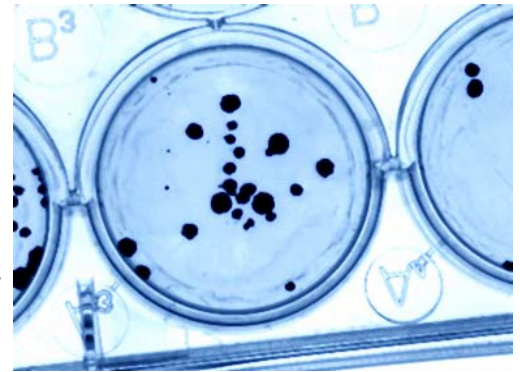
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# Sorcerer Colony Counter

## Instant, accurate plate counts *for a wide range of proven applications*

The small footprint Petri-viewer utilises incident, dark-field and transmitted illumination for different types of nutrient agars and other growth media. The use of cool white light ensures **excellent contrast** between colonies and substrate. The CCD camera and automatic lens relay a **live image of the sample** to the computer screen.

Sorcerer lets the laboratory supervisor create **any number of different configurations** optimised for each application (e.g. Ames, MLA, UDS, V79, HPRT, SBA, zones, PSA, plaques, DEFT and more).



## Sophisticated image processing *ensures accuracy and reproducibility of results*

A single click or button press is all that is needed to perform a measurement. Typically the measurement process includes instructions to **automatically separate overlapping colonies**, highlight detected colonies in colour and compute the count. It is also possible to include commands to eliminate objects such as debris based on their size, shape and intensity. Sorcerer has comprehensive software for analysis of individual objects thereby allowing colonies to be classified according to their size.

Sorcerer has facilities to overcome the often encountered problems caused by cloudy media, irregularly shaped growths and unevenly poured plates. A range of **image editing functions** allow the user to interactively modify the image when required e.g. to remove contaminating particles.

## Powerful Excel macros *for analysis and comparison of data*

Results are shown on screen after each measurement and they can also be sent instantly to a **Microsoft Excel** workbook. It is even possible to open up an Excel workbook containing sample codes, dilution factors etc. and instruct Sorcerer to carry out measurements from within Excel itself. Data can also be transferred directly to a **Microsoft Access database** for centralised data management.

## Auditing and user administration *helping you meet regulatory requirements*

**Sorcerer** incorporates powerful auditing and security features that can be implemented according to your own requirements. The program generates **in-depth audit trails** that include details of every action performed by the users of the system, with date, time, full user details and a description of each event.

Sorcerer has been designed and developed with reference to a wide range of regulatory guidelines and when used in conjunction with the **System Access Manager** is fully compliant with Good Laboratory Practice and the **FDA 21 CFR Part 11** final rule on electronic records and electronic signature. The program has been comprehensively tested and validated in accordance with our Quality Management System which is approved to **ISO 9001:2008** incorporating ISO 9003.

# PERCEPTIVE INSTRUMENTS

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