

# SYNBIOSIS PRODUCT GUIDE

**Synbiosis Europe and  
International Headquarters:**

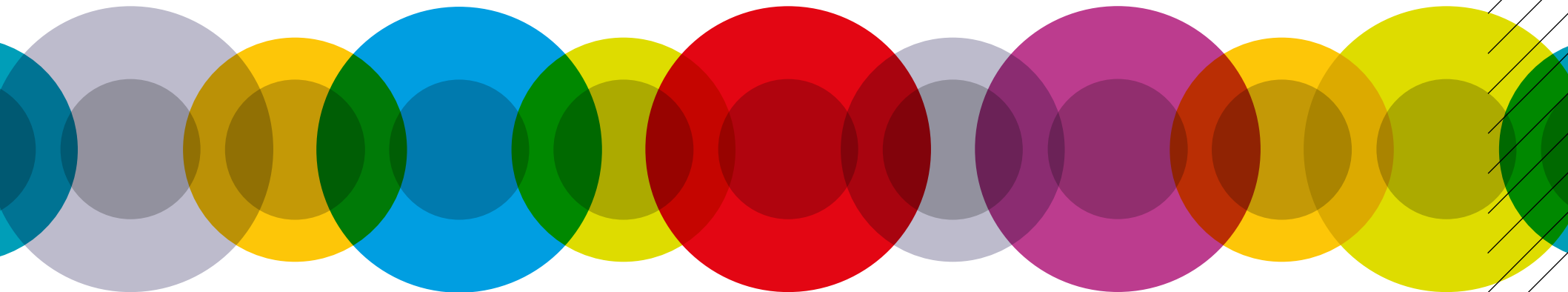
Beacon House Nuffield Road Cambridge CB4 1TF UK  
Tel: +44 (0)1223 727125 Fax: +44 (0)1223 727101  
email: sales@synbiosis.com

**Synbiosis USA Headquarters:**

5103 Pegasus Court Suite L Frederick MD 21704 USA  
Tel: 800-686-4451/301-662-2863 Fax: 301-631-3977  
email: ussales@synbiosis.com

**Website: [www.synbiosis.com](http://www.synbiosis.com)**

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Please refer to  
[www.synbiosis.com](http://www.synbiosis.com)  
for all ordering  
information



**Synbiosis** is a long-established, world-leading supplier of systems for automated colony counting, zone measurement and microbial identification systems.

Our products are used globally by thousands of microbiologists, who are successfully contributing accurate data to important projects in many of the world's top pharmaceutical, water, food and beverage companies, as well as major government and academic research institutes.

This Guide gives a quick overview of our current systems. Contact us or visit our website for full details of our complete product range.



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**ProtoCOL 3** comes inclusive with automated colony counting and zone measuring capabilities. The **ProtoCOL 3 Plus's** touch screen enables you to control the easy-to-use software and this coupled with an unique image capture method, means you'll rapidly generate highly precise results. To maintain accuracy, you can transfer image and numerical data automatically for analysis, report generation or archiving.

# ProtoCOL 3

**ProtoCOL 3 is ideal for:**

- **High throughput pharmaceutical and food microbiology applications**
- **Automatically reading different plate configurations up to 150mm diameter**
- **Producing true to life full colour images using multi-array LED lighting**
- **Extensive report generation**
- **Integrating into GLP and GMP environments with full traceability**
- **Detecting colonies as small as 43 microns**
- **Highly accurate zone measurements to 0.5mm**
- **Versatility, adding SynStats, Chromogenic ID or AST software for specialist applications**



**Protos 3** is an automated colony counter and chromogenic identification system. Using its sensitive CCD camera and unique lighting combined with powerful analysis software, you can count colonies in seconds and automatically identify microbial species by colour on chromogenic plates. You can even use the system with both small and large plates to count colonies on a range of formats including spiral, pour, spread and dilution series plates.

# Protos 3

**Protos 3 is suitable for:**

- **One click, automated colony counting**
- **Medium throughput analysis of 75 plates in 5 minutes**
- **Food and environmental microbiology labs**
- **Multiple colony counting and microbial identification functions**
- **Reproducible results**
- **True colour recognition using unique three colour lighting**
- **Classifying colonies by size, colour and shape**
- **GLP compliance and full traceability**



**aCOLyte 3** is an affordable, automated colony counting device. The system is available in one configuration and has simple-to-use software and lighting from white LEDs above and below your plate. These features allow you to automatically count colonies on a range of pour and spiral plate media and then directly transfer your results to Excel or Open office. The system also has a detachable screen for eliminating strong ambient light, if it causes plate reading issues in your laboratory.

# aCOLyte 3

**aCOLyte 3 is ideal for:**

- Accurate colony counting of 90mm plates
- Detecting colonies as small as 0.1mm
- Counting colonies on dark or light coloured media
- Generating and displaying plate images
- Full traceability and archiving results
- Use on small lab bench spaces

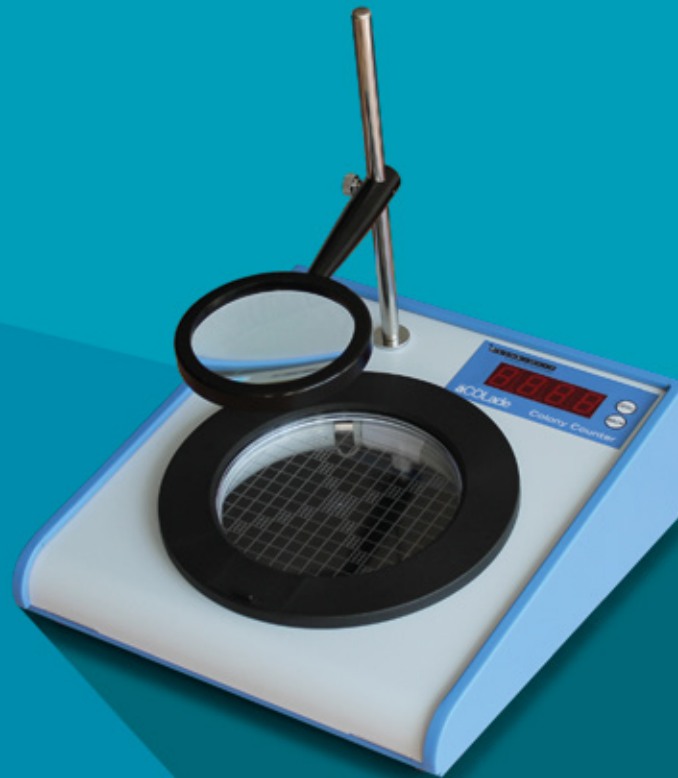


The **aCOLade** colony counter is available for the rapid manual counting of colonies on any agar plates. The system features a simple slide-in background plate so you can use a black or white background and a pressure sensor detects a count as you mark each colony with a pen. There is also an adjustable magnifying glass and ring-lighting with electronic ballast to generate a glare-free light, eliminating the need for you to strain your eyes when counting small colonies. Your count results are shown on an LED readout display.

# aCOLade

**aCOLade is suitable for:**

- **Easy colony counting via a pressure sensor**
- **Use with any marker pen**
- **A wide range of plate sizes from 60mm up to 150mm**
- **Light or dark coloured agar plates**
- **Simple count corrections via a back button**
- **Reduced eye strain when colony counting**



The **ProcScan** system is designed for automated imaging of zones on large plate formats of up to 300mm. Images of your plates can then be easily scanned directly into the **ProtoCOL 3** or to a separate computer for rapid zone analysis. The system is suitable for generating accurate images of formats such as SRD and antibiotic susceptibility testing plates with grid arrays and in combination with the **ProtoCOL 3** software, improves ease, accuracy and speed of analysing your large plates.

# ProcScan

**ProcScan provides:**

- **Accurate imaging of larger size plates up to 300mm**
- **Integrated analysis with ProtoCOL 3 software**
- **High throughput analysis of large zone plates**
- **Fully traceable result generation**



**Chromogenic ID** is a unique colour recognition software module designed to make identification of colonies on chromogenic agar accurate, objective and simple. Using **Chromogenic ID**, which integrates seamlessly with the **ProtoCOL 3** and **Protos 3** systems, you can automatically identify a wide range of microbes cultured on a variety of media suppliers. Organisms are identified at the touch of a button and your data and images are safely stored as a permanent electronic record.

# Chromogenic ID software

Chromogenic ID offers:

- Rapid microbial species identification
- Objective identification from user to user
- Seamless integration with a ProtoCOL 3 or Protos 3 system
- Traceability and automated report generation
- Expert technical database species comparison
- Free software upgrades and no annual licence fee





**SynStats** is a new generation statistical module to make the analysis of potency assays simple and easy to interpret. The SynStats software analyses data directly from your **ProtoCOL 3** system so that each step is a seamless transition from image capture to statistical analysis and interpretation. The software is compatible with the most commonly used pharmacopeia methods such as EP and USP, enabling you to use **ProtoCOL 3** for pharmaceutical applications including vaccine potency measurement.

# SynStats software

SynStats provides:

- Accurate statistical analysis
- Full integration with the ProtoCOL 3 system
- Compatibility with common pharmacopeia
- Rapid interpretation of results
- Expert technical support
- Free software upgrades and no annual licence fee



The **AST** (measuring Antibiotic Susceptibility Testing easily and rapidly) software is designed for use with **ProtoCOL 3** automated zone measurement system. The software accurately measure zones of antibiotic sensitivity and, at the touch of a button, your results are automatically compared to data from all the tested organisms that have breakpoint values in the EUCAST database. The **AST** software then lists which antibiotics the bacteria you are testing are sensitive to, in less than half the time it would normally take you to perform these tasks manually.

# AST software

**AST provides:**

- **Accurate zone measurements**
- **Automatic comparison with EUCAST breakpoint values**
- **Displays Expert rules**
- **Rapid, objective interpretation of results**
- **Guidance for antibiotic treatment options**
- **Integration into GLP and GMP environments with full traceability**
- **Free software upgrades and no annual licence fee**

