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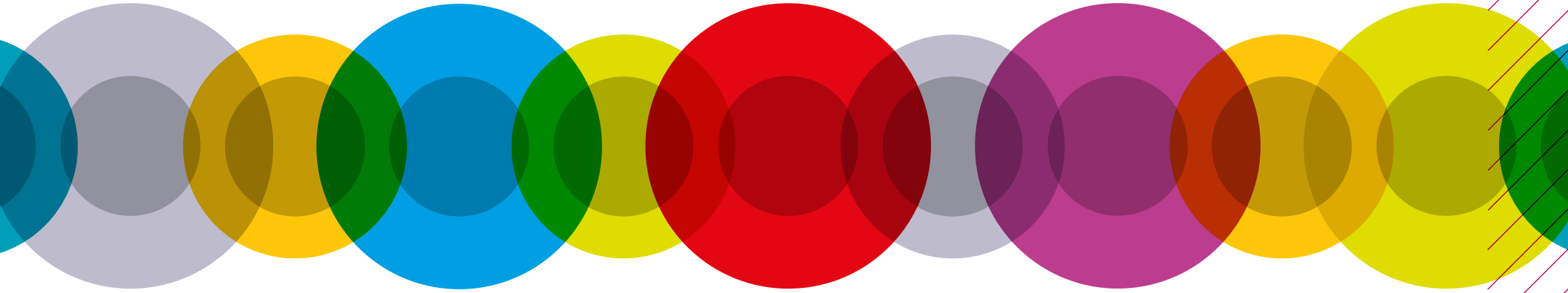
SYNBIOSIS PRODUCT GUIDE



Please refer to www.synbiosis.com for all ordering information

SYNBIOSIS
A DIVISION OF THE SYNOPTICS GROUP

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

With over 30 years' experience, 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 clinical, 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.

ChromaZona is an IVD certified instrument for automated antibiotic susceptibility testing and microbial ID in the clinical laboratory. It comes complete with **eAST**, **MIC Strip** and **Chromogenic ID** software, enabling you to generate objective, consistent AST and identification data quickly and efficiently.

ChromaZona

ChromaZona is ideal for:

- **Faster results in busy clinical laboratories, working to EUCAST and CLSI guidelines**
- **Working with MIC strips and calculating MIC point values**
- **Automatically reading different plate types up to 150mm diameter**
- **Generating true to life full colour images using multi-array LED lighting**
- **Extensive report generation**
- **Integrating into clinical environments with full traceability**
- **Free software upgrades to comply with EUCAST and CLSI updates with no annual licence fee**

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**
- **CFR compliance**
- **Detecting colonies as small as 43 microns**
- **Highly accurate zone measurements to 0.5mm**
- **Versatility, adding eAST, and other Chromogenic ID 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 HD 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 curtain for eliminating strong ambient light, if it causes plate reading issues in your laboratory.

aCOLyte 3 HD

aCOLyte 3 HD 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**
- **Use on small lab bench spaces**

The **aCOLade 2** 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. Sub-stage illumination by low energy bright LEDs allows glare-free optimum viewing. Your count results are shown on an LED readout display. A choice of magnifiers are available as optional accessories.

aCOLade 2

aCOLade 2 is suitable for:

- **Easy colony counting via a pressure sensor**
- **Use with any marker pen**
- **A wide range of plate sizes from 50mm up to 90mm**
- **Light or dark coloured agar plates**
- **Simple count corrections via a back button**
- **Reduced eye strain when colony counting**

ProcScan

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 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**

ProDilute is an automatic gravimetric diluter which accurately weighs samples and delivers a precise dilution volume. The compact and light design results in a minimal bench space footprint.
The **ProDilute** has an ergonomic and ambidextrous design to ensure easy and strain free use by all individuals.

ProDilute

ProDilute provides:

- **Fast and automated dilution – 10 seconds to dispense 225ml**
- **Only 8Kg**
- **5 – 2000g weighing range**
- **Up to four peristatic pumps can be attached**
- **Built from stainless steel with detachable bag holder for easy cleaning**
- **Interactive colour display**
- **Traceability**
- **Compatible for use with ProBlend**

ProBlend is the lightest and most powerful sample blender on the market. **ProBlend's** revolutionary 'pendular' blending method provides each paddle with 70kg of power to blend even the most difficult samples. The blender features a stainless steel chamber, removable paddles and door with built in waste drawer to enable easy access for cleaning.

ProBlend

ProBlend provides:

- **Vibration free**
- **Virtually noiseless operating at 48 decibels**
- **3 adjustable pressure settings**
- **Adjustable timer**
- **Built in bag close technology to avoid unwanted leaks**

The **eAST** (easy Antibiotic Susceptibility Testing) software accurately measures zones of antibiotic susceptibility at the touch of a button. Results are automatically compared to EUCAST or CLSI guidelines displaying antibiotic susceptibility for the tested bacteria in seconds. The **eAST** software comes as standard with **ChromaZona** and is an optional application package for use with **ProtoCOL 3**.

eAST software

eAST software offers:

- **Accurate zone measurements**
- **Automatic zone comparison with EUCAST and CLSI guidelines**
- **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**

The **MIC Strip** software module enables users to precisely calculate the MIC point value when reading plates using **MIC strips** in seconds. The intuitive software detects what antibiotic **MIC strips** are present on the plate and which concentration is being applied at the touch of a button. The **MIC Strip** software module comes as standard on **ChromaZona** and **ProtoCOL 3**.

MIC Strip software

MIC Strip software offers:

- **Rapid & accurate MIC value measurements**
- **Automatic strip location and code recognition**
- **Full traceability of results**
- **Free software upgrades and no annual licence fee**

Chromogenic ID is a unique colour recognition software module designed to make identification of colonies on chromogenic agar accurate, objective and simple. The **Chromogenic ID** software automatically identifies a wide range of microbes cultured on a variety of chromogenic media from world-leading suppliers. Organisms can be identified at the touch of a button. The **Chromogenic ID** software comes as standard with **ChromaZona** and **Protos 3** and is an optional software module with the **ProtoCOL 3**.

Chromogenic ID software

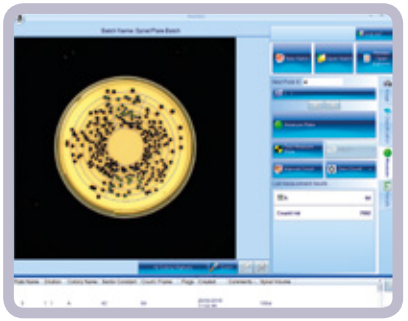
Chromogenic ID software offers:

- **Rapid microbial species identification**
- **Objective identification from user to user**
- **Traceability and automated report generation**
- **Expert technical database species comparison**
- **Free software upgrades and no annual licence fee**

Applications

Spiral module

The **Spiral Plate** software module is a unique application designed to count spiral plates created from WASP and Eddy Jet spiral platers. The module comes supplied with a validation plate and comes as standard on **Protos 3** and **aCOLyte 3 HD** and as an optional extra on **ProtoCOL 3**.



SBA module

The **SBA** software module enables quick and easy reading of Serum Bactericidal Assay plates saving analysts vast amounts of time. The module comes as an optional extra for use on a **ProtoCOL 3**.

OPKA module

The **OPKA** software module is designed for the reading of **OPKA** assay plates and enables rapid and precise count. The module comes as an optional extra for use on a **ProtoCOL 3**.

Ames module

The **Ames** software module is designed for the reading of **Ames** plates and enables rapid and precise count. The module comes as an optional extra for use on a **ProtoCOL 3**.