

# ChromaZona

## AUTOMATED MICROBIOLOGY

For fast microbial identification  
and AST analysis



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Full traceability in clinical environments

Synbiosis is the manufacturer and supplier of the world's most popular automated colony counting systems. With over 30 years' experience, Synbiosis's colony counters are tried and trusted by microbiologists world-wide. Now, Synbiosis has used all their expertise to produce an IVD certified instrument - **ChromaZona** - an automated microbial ID and antibiotic susceptibility testing (AST) analysis system designed for speeding up testing in your clinical laboratory.

With the system's sensitive CCD camera, unique three channel lighting and powerful Chromogenic ID software, you can identify microbial species on chromogenic plates in seconds. Then by accurately analysing zones around antibiotic discs and MIC strips using **ChromaZona's** eAST software, you can quickly determine which antibiotics to use to treat the infection.

Using **ChromaZona**, you will generate objective, consistent microbial identification and AST data in double quick time. **ChromaZona** is easily connected to your LIMS system or, if preferred, reports can be generated and stored in Excel, eliminating data transfer errors, as well as providing you with fully traceable information and reports. You can analyse the stored results at any time and use them to identify and monitor incidence of bacterial resistance, helping you to improve infection control.

**ChromaZona** is suitable for use in a CFR Part 11 environment.

#### **ChromaZona is ideal for:**

- **Faster results in busy clinical laboratories, working to EUCAST/CLSI standards**
- **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/CLSI updates with no annual licence fee**



*"Working to EUCAST/CLSI standards"*

*“Automatic comparison with EUCAST/CLSI MIC breakpoint values”*

## Chromogenic ID Software

Chromogenic ID is a unique colour recognition software designed to make identification of colonies on chromogenic agar accurate, objective and simple. Using **ChromaZona's** Chromogenic ID software you can automatically identify a wide range of microbes cultured on media brands including **CHROMagar™**, **HardyCHROM™**, **Brilliance™** and **Colorex™**. Organisms are quickly identified at the touch of a button and your data and images are safely stored as a permanent electronic record.

**Chromogenic ID software offers:**

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

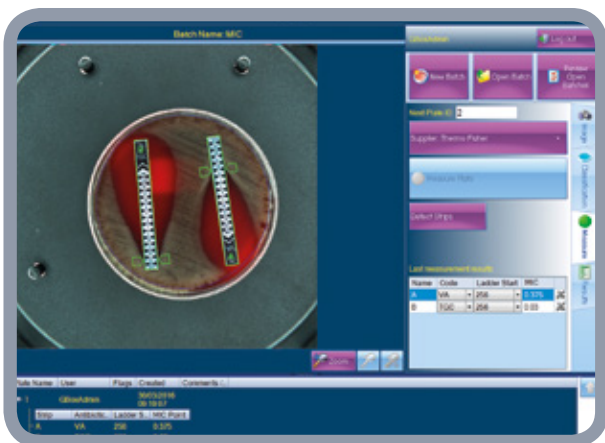
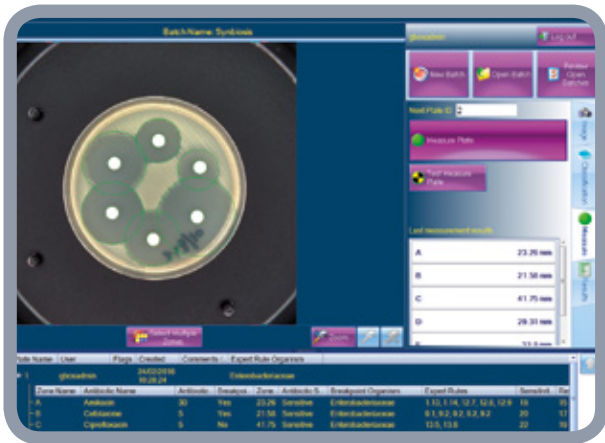
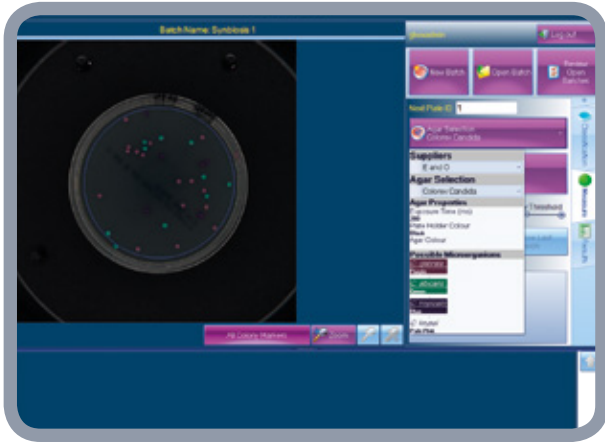
## eAST Software

The eAST (Easy Antibiotic Susceptibility Testing) software also comes complete with the **ChromaZona** system. The software accurately measures zones around antibiotic sensitivity discs and MIC strips (including ThermoFisher's) and with one click, your results are automatically compared to data from all the tested organisms that have minimum inhibitory concentration (MIC) breakpoint values in the European Committee on Antimicrobial Susceptibility Testing (EUCAST) and The Clinical and Laboratory Standards Institute (CLSI) databases. The eAST software then lists in seconds which antibiotics the microbial pathogens you are testing are sensitive to, thus saving you hours with manual analysis and cross referencing of expert rules.

**eAST software offers:**

- **Accurate zone measurements around discs and MIC strips**
- **Automatic strip location and code recognition**
- **Automatic comparison with EUCAST/CLSI MIC breakpoint values**
- **Rapid, objective interpretation of results**
- **Guidance for antibiotic treatment options**
- **Full traceability of results**
- **Free software upgrades and no annual licence fee**

*“Accurate zone measurements around discs and MIC strips”*



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IEC 61010-1:2010  
IEC 61010-2-101:2002