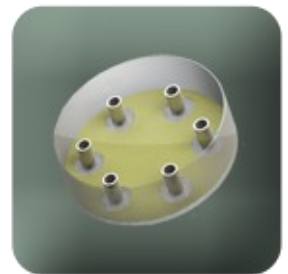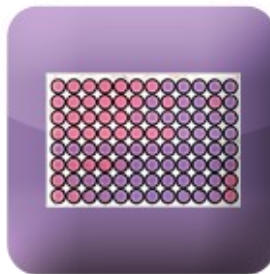# Microbiology Image Analysis

## Giles Scientific USA

**The only open universal microbiology automated reader**

- BIOMIC® V3: The complete clinical microbiology system for Antibiotic Susceptibility Testing, Organism Identification, 96-Well Microtiter and Colony Counting.

- TRINITY™ V3: The complete industrial microbiology system for Antibiotic Potency Zone Reading and Colony Counting.

# 2013 Product Catalog

# Table of Contents

## Mission Statement

*Giles Scientific provides the best quality, most technically advanced and highly reliable microbiology digital imaging systems globally. Giles Scientific designs, develops, manufactures, sells, warranties, and supports our products globally.*

P.O. Box 4306
Santa Barbara, CA 93140 USA

Phone: 805-963-3876
Fax: 805-963-7768
E-mail: giles@biomic.com
www.biomic.com

# BIOMIC®V³

Clinical Microbiology System provides automated reading of antibiotic susceptibility, organism identification, 96-well microtiter and colony count plates utilizing color digital imaging technology.
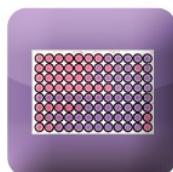
## Available BIOMIC V3 Modules

**Antibiotic Susceptibility (AST-MOD):** Automatically reads and interprets antibiotic disk tests, and Etest/MIC Test Strips based on CLSI, EUCAST, BSAC, guidelines on plates up to 150mm.

**Organism Identification (ID-MOD):** Automatically reads and interprets ID panels including API® (bioMerieux), RapID™ (Remel), Crystal™ (BD) and Liofilchem® ID Systems.

**96-Well Microtiter (MP-MOD):** Automatically reads and interprets custom 96-Well AST and ID plates (all brands), Sensititre (TREK) and MicroScan (Siemens).

**Colony Counting & Chromogenic Agar (CC-MOD):** Automatically counts bacteria and yeast colonies and viral plaques on plates up to 150mm, reads and interprets chromogenic agar.

**Hardware/Accessories**:

V3 color digital imaging cabinet, 21 inch touch screen monitor*, bar code reader, ID panel holders (optional), 90mm diameter plate adapter, software CD, calibration templates, power supply with cord, USB 2.0 cable, Product Manual.

**IQ/OQ/PQ Validation Documents:**

Validates BIOMIC V3 is installed correctly, is operational, and performs in accordance with laboratory requirements.

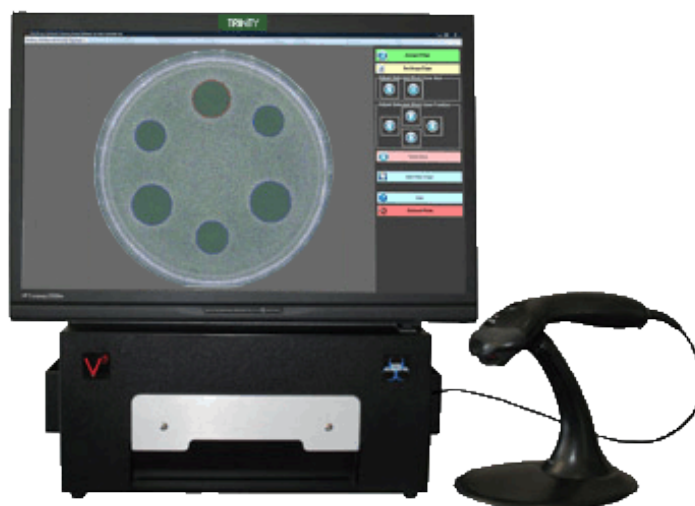**1 Year Service Contract** (renewable annually):

Annual BIOMIC V3 software update, live technical support 7 days per week, complete hardware warranty, system installation and setup (via telephone and email), LIS/LIMS interface support *(LIS/LIMS provider may charge a separate fee)*

*\*Note: 21 inch touch-screen monitor is included with each purchase. A computer must be purchased locally.*
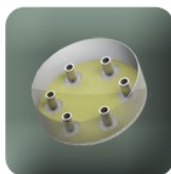
*Computer Requirements: Pentium 4 or equivalent (minimum) Core 2 Duo or faster (recommended for optimal performance), 512 meg RAM (minimum), 2 gig RAM or higher (recommended), Windows XP, Windows Vista (32 bit), or Windows 7 (32 bit), all Microsoft Service Packs and Critical Updates must be applied, 3 available USB ports (minimum), Internet connection (strongly recommended), surge protector, and serial port for LIS/LIMS connection.*

# TRINITY™ V³

Industrial Microbiology System provides automated reading of antibiotic potency zone assays and colony count plates utilizing color digital imaging technology.

## Available TRINITY V3 Modules

**Antibiotic Potency (AA-MOD):** Automated reading of 90-100mm antibiotic potency plates following USP, EP, BP and JP methods. Follows 21 CFR Part 11 Electronic Signature requirements.

**Colony Counting & Chromogenic Agar (CC-MOD):** Automatically counts bacteria and yeast colonies and viral plaques on plates up to 150mm, reads and interprets chromogenic agar.

**Hardware/Accessories**:

V3 color digital imaging cabinet, 21 inch touch screen monitor*, bar code reader (optional), electronic caliper (optional), 90mm diameter plate adapter, software CD, calibration templates, power supply with cord, USB 2.0 cable, Product Manual.

**IQ/OQ/PQ Validation Documents:**

Validates TRINITY V3 is installed correctly, is operational, and performs in accordance with method guidelines outlined in CFR, US-FDA, AOAC, USP, EP, BP, JP and GLP Standards.

**1 Year Service Contract** (renewable annually):

Annual TRINITY V3 software update, live technical support 7 days per week, complete hardware warranty, system installation and setup (via telephone and email)

*Note: 21 inch touch-screen monitor is included with each purchase. A computer must be purchased locally.*

*Computer Requirements: Pentium 4 or equivalent (minimum) Core 2 Duo or faster (recommended for optimal performance), 512 meg RAM (minimum), 2 gig RAM or higher (recommended), Windows XP, Windows Vista (32 bit), or Windows 7 (32 bit), all Microsoft Service Packs and Critical Updates must be applied, 3 available USB ports (minimum), Internet connection (strongly recommended), surge protector, and serial port for LIS/LIMS connection.*

# PENI CYLINDER DISPENSER

## For use with TRINITY V3

This stainless steel Peni Cylinder Dispenser holds 300+ cylinders and can dispense 4 or 6 cylinders. Cylinders are automatically and accurately dropped onto a Petri dish. Units may be modified for use with either glass or plastic Petri dishes.

**Material:**

Stainless Steel and Aluminum

**Dimensions:**

13 x 13 x 31 cm / 5.25 x 5.25 x 12.25 inches

**Service Contract:**

1 year warranty on parts and service.  Includes installation and training assistance by email and telephone.

# PENI CYLINDERS

## For use with TRINITY V3

For use with TRINITY V3 and the Peni Cylinder Dispenser.  One box contains 100 cylinders.

**Material:**
Stainless Steel

**Dimensions:**
Inner diameter: 6mm
Outer diameter: 8mm
Length: 10mm

# SERVICE CONTRACT

## For BIOMIC V3 and TRINITY V3

The Service Contract is available for BIOMIC V3 and TRINITY V3 Systems beginning in Year 2.  Year 1 of the Service Contact is included with each system purchase. This annual fee provides a complete hardware warranty, annual software upgrade, LIS/LIMS interface support (LIS/LIMS provider may charge a separate fee), and live technical support 7 days per week from Giles Scientific.

# SOFTWARE UPGRADE

## For BIOMIC V3 and TRINITY V3

One time software upgrade to current year. This does not include the hardware warranty.