



PhenoMATRIX®

Advanced Artificial Intelligence for Microbiology

Copan
innovating together

PhenoMATRIX®

PhenoMATRIX® offers WASPLab® users automatic reading, interpretation, and sorting of bacterial cultures, transforming how microbiologists interact with their work.



AI Efficiency and Precision

Unparalleled in the industry, PhenoMATRIX® uses artificial intelligence combined with clinical information from the LIS with rules customized by the laboratory to automatically pre-sort bacterial cultures and assist technologists in interpretation based on laboratory-validated rules.¹

- Recognizes, quantifies, and interprets bacterial growth
- Segregates cultures for review
- Choose from three AI software packages to meet your laboratory needs

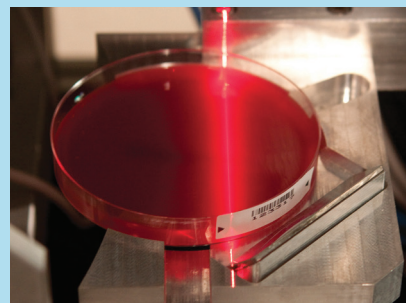
¹This product is not FDA cleared.



PhenoMATRIX®

Scan and Segregate

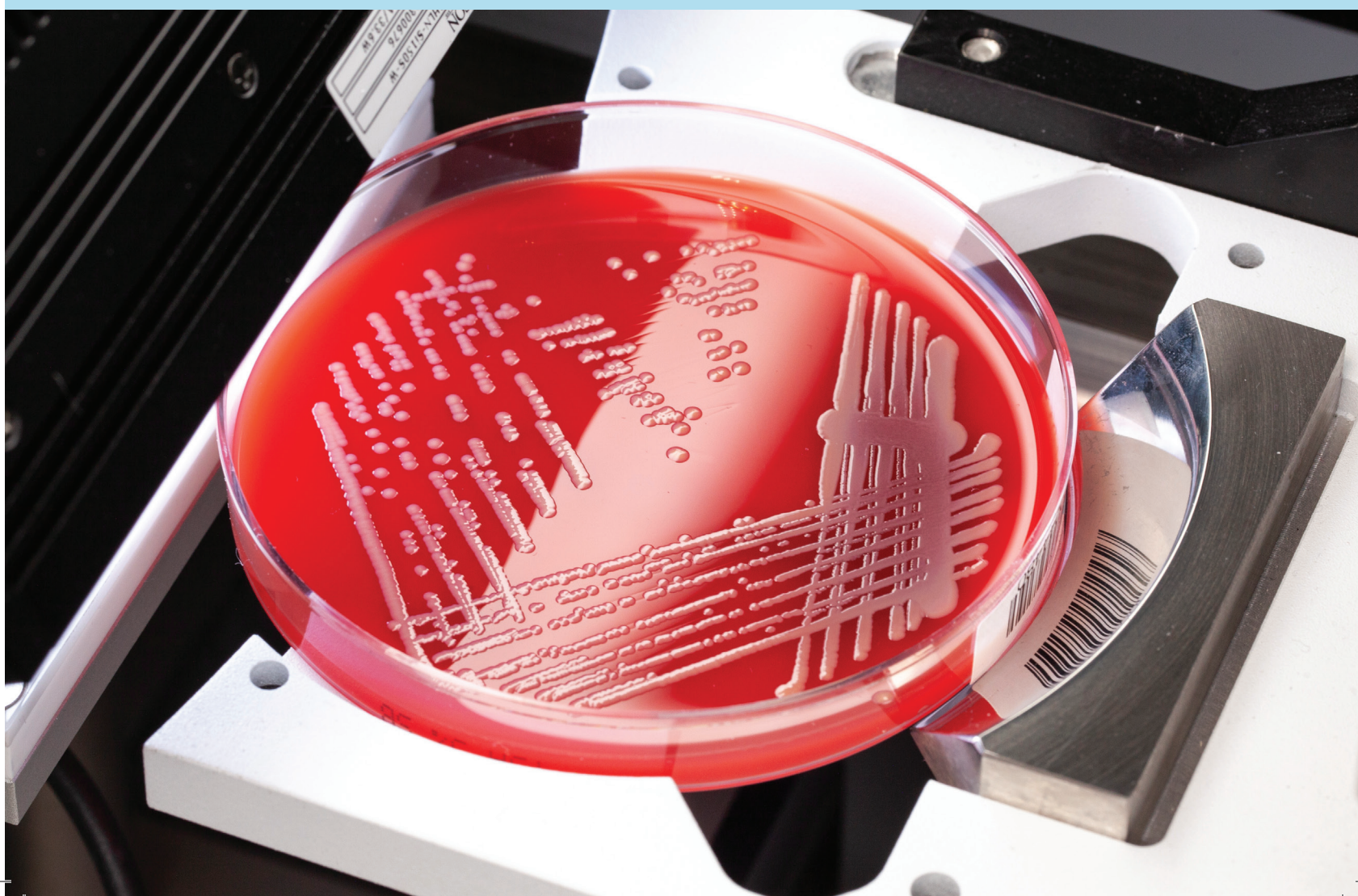
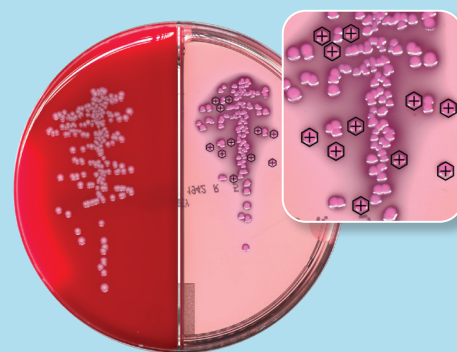
Leveraging the unparalleled digital imaging of WASPLab®, PhenoMATRIX® utilizes advanced AI to analyze colony growth, morphology, color, and hemolysis. Integrating growth interpretation with the Laboratory Information System (LIS), the system organizes cultures for efficient workup.



PhenoMATRIX® TAG

Tag, Send, Pick

PhenoMATRIX® TAG analyzes the digital plate images, automatically “tags” significant colonies for picking, and communicates the colony coordinates to automated specimen ID/AST preparation instrument Colibri™ for reliable and accurate picking.



PhenoMATRIX®

Choose the best AI software package

Select the PhenoMATRIX® AI package that best integrates with your laboratory's workflow, ensuring accurate and efficient review of culture results.¹

COLONY COUNTING SEGREGATION BASED ON LABORATORY RULES

Positive Plates

Negative Plates & Insignificant Growth

Mixed and Contaminated Growth

DEEP COLONY MORPHOLOGICAL RECOGNITION & SEGREGATION

Lactose- and non-lactose-fermenting Gram-negative bacilli

Gram-positive isolates with beta-hemolytic organisms

Expanding Presumptive ID Capabilities

Beta-Hemolysis Detection on Blood Agar for GAS & GBS Detection

Wound Protocols for *Staphylococcus aureus*² Detection

Blood Culture Protocols³

CHROMOGENIC DETECTION

CHROMID CPS Elite (bioMérieux)

Orientation Media (BD)

Brilliance UTI Media (ThermoFisher)

MRSA Chromogenic Detection

VRE Chromogenic Detection

Other MDRO Chromogenic Detection

LIS INTEGRATION

Expert Rules & LIS Data Mining

AUTOMATED COLONY TAGGING

Automated Tagging for ID & AST Workup

Integration with Colibri⁴

PhenoMATRIX® ESSENTIALS

AI for Urine Cultures that Automatically Groups Patient Cultures based on Growth Interpretation and Lab Rules²



PhenoMATRIX® SELECT

AI with expanded Detection of Specific Organisms Such as MRSA, VRE, and GBS on Chromogenic Media



PhenoMATRIX® ELITE with TAG

Comprehensive AI with Automatic Tagging of Colonies for Identification and Susceptibility Testing



Scan for more information.

Copan
innovating together

Product availability may vary by country or region. Not all products shown are available in every market. Please contact your local Copan representative or distributor to confirm availability and regulatory status in your area.. Please refer to www.copanusa.com for the most recent version of this document. Always consult product technical documentation for complete information. The use of this product in association with diagnostic kits or instrumentation should be validated by the end user. All trademarks, logos and brand names are the property of their respective owners. ©2025 COPAN Diagnostics Inc. All rights reserved.
Code: PhenoMATRIX_Brochure_CD_05_2025

COPANUSA.com [800.216.4016](tel:800.216.4016) [@COPANUSA](https://twitter.com/COPANUSA) CommunicationsUS@copangroup.com [f /COPAN.USA](https://facebook.com/COPAN.USA)

COPAN Diagnostics, Inc.
26055 Jefferson Avenue | Murrieta, CA 92562 USA