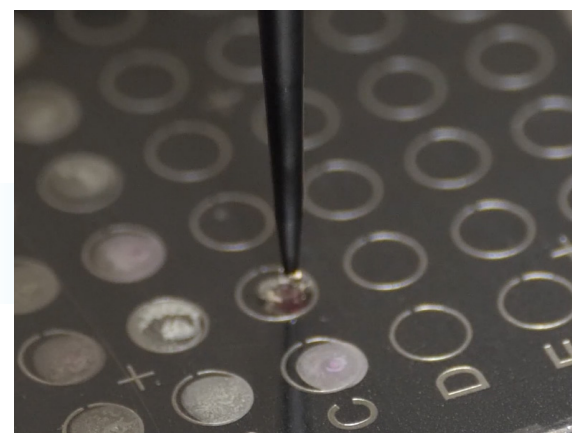# Colibrí™ Fully Automated Specimen Workup

DESIGNED TO PREPARE MALDI-TOF ID TARGETS AND CREATE BACTERIAL SUSPENSIONS FOR ANTIBIOTIC SUSCEPTIBILITY TESTING*

The COPAN Colibri™ System is an *in vitro* diagnostic device for use automating rapid identification of isolated colonies of Gram-negative and Gram-positive bacteria grown on solid culture media.

AUTOMATING CRUCIAL STEPS IN DIAGNOSTIC MICROBIOLOGY TESTING FOR TIME AND LABOR SAVINGS

COLIBRI™ AUTOMATICALLY PICKS ISOLATED COLONIES for further workup and investigation.
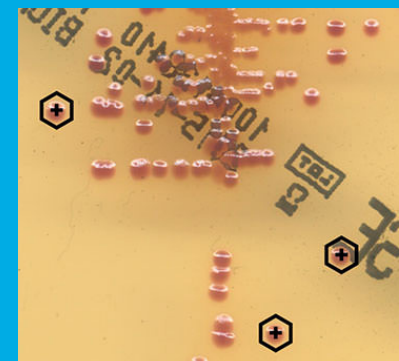
- Chosen colonies are designated by the laboratory technologist or automatically by COPAN's advanced AI, PhenoMATRIX® TAG.

- **Automatically seeds colonies** into various size tubes to **prepare McFarland suspensions for antibiotic susceptibility testing (AST)*,** verifying opacity of suspensions using the onboard nephelometer.

- The system applies barcode labels to tubes and prepares purity check plates from McFarland suspensions.

*AST capability currently IUO (Investigational Use Only) in the USA market. Always consult product inserts and instructions for use for the appropriate use of the products. Product clearance and availability restrictions may apply in some countries.

PhenoMATRIX® TAG

PhenoMATRIX® TAG IS THE NEXT EVOLUTION OF COPAN'S ADVANCED ARTIFICIAL INTELLIGENCE (AI), which automatically detects and **"tags" the best colonies to be picked by Colibri™**, a fully automated specimen workup instrument designed to prepare MALDI-TOF ID targets.

The advanced AI algorithms highlight both isolated colonies as well as aggregated colonies; colonies which are not fully isolated but determined by the software to be pure. After defining the colonies for selection, PhenoMATRIX® TAG communicates the colony coordinates to the Colibri™ for reliable and accurate picking.

The advanced AI used by PhenoMATRIX® and PhenoMATRIX® TAG **interprets growth based on each laboratory's custom rules, presumptively identifies colonial morphology, and pre-selects the best-isolated colonies for work-up.**

PRECISION AND FULL TRACEABILITY IN SPECIMEN WORKUP

PhenoMATRIX® DEFINES THE OPTIMAL COLONIES to be reviewed and picked and then communicates the coordinates to the Colibri™ for picking.

Colibri™ records the source identity of each sample, its position on the target slide and communicates this information electronically to the MALDI-TOF MS analyzers, thereby eliminating any human transcription errors.

HARNESS THE POWER OF FULL LABORATORY AUTOMATION, ADVANCED ARTIFICIAL INTELLIGENCE AND AUTOMATED COLONY WORKUP

STREAMLINE WORKFLOW AND ADDRESS THE MOST CHALLENGING DEMANDS IN THE LABORATORY with Colibri™ and artificial intelligence (AI) software, delivering cutting-edge, intelligence driven solutions for specimen workup.