

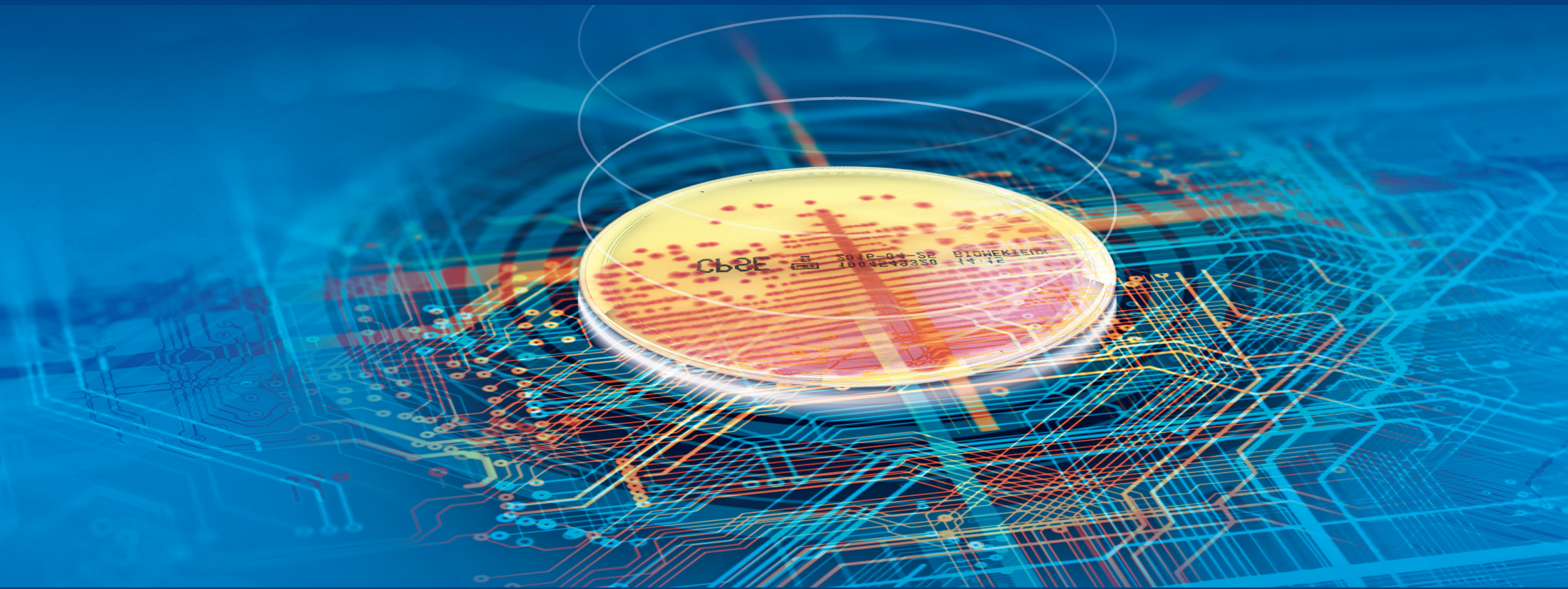


BIOMÉRIEUX

PhenoMATRIX[®]

EMPOWERED BY BIOMÉRIEUX

Embedded interpretation intelligence for WASPLab[®]



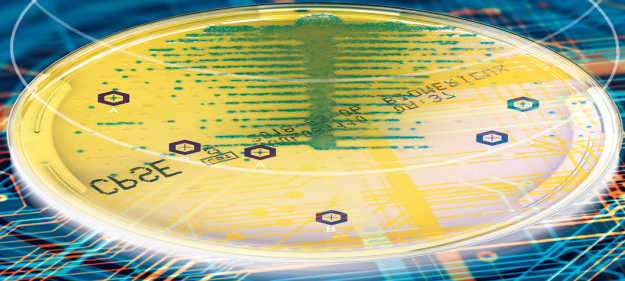
PIONEERING DIAGNOSTICS

PhenoMATRIX® GOING BEYOND THE POWER OF AUTOMATION

You design your WASPLab® specimen processing and reading system to optimize your resources for top productivity. Adding **PhenoMATRIX® expert system** brings WASPLab®'s intuitive automation and embedded algorithms to the next level.

By integrating LIS data, you improve interpretation and rules-based sorting. By using **PhenoMATRIX® TAG**, the relevant colonies to pick are automatically selected.*

You're empowered to deliver even more rapid actionable results.



* Suitable only for a selection of media/specimens, contact your local bioMérieux representative

You set the rules

PhenoMATRIX® saves you time by consolidating information about each sample:

1. Algorithms for plates images analysis.

2. LIS and clinical context:** Integration of other information such as demographics, clinical signs, other test results, etc.

This data is interpreted by PhenoMATRIX® according to user-defined rules

Based on your needs, apply defined rules to rapidly sort and determine how each plate is analyzed and interpreted. For example:

• **Negative plates**

- Automatically discard
- Continue incubation without opening incubator, if needed

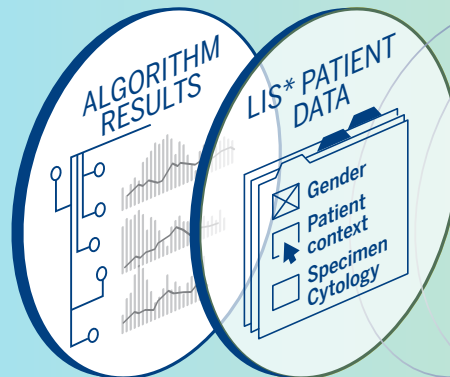
• **Positive plates**

Automated sort out of the plates for further specific analysis as required
Automated selection of the relevant colonies for the picking with Colibr™ (for PhenoMATRIX® TAG)

PhenoMATRIX® uses algorithms that are specially **optimized for the CHROMID®** range and integrates with available LIS data (demographics, previous patient results, leucocyte results, etc.), **providing effective plate interpretation, sorting and validation of your samples.**



PhenoMATRIX® PLUS allows the automatic release of the plates for urine samples without any user validation.



PhenoMATRIX® INTERPRETATION



NEGATIVE RESULTS

Information sent to the LIS
Plates are automatically discarded



POSITIVE RESULTS

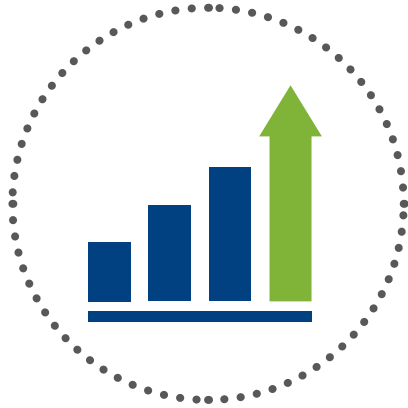
Plates are sorted for further investigation and information sent to the LIS
Well isolated colonies are automatically tagged (with PhenoMATRIX® TAG)

**LIS: Laboratory Information System

Saving your time



Illustrative. Time workflow depends on your specific lab configuration and protocols.
 *** ID/AST: identification and susceptibility testing.



INCREASE EFFICIENCY & FASTER INTERPRETATION

TIME SAVINGS

- Overall efficiency: **More samples processed faster no additional staffing**
- **Earlier growth detection**
- **Less plate reading time** through:
 - Automatic sorting of negative samples; automatic discarding based on rules
 - Automatic sorting of positive results for further interpretation
 - Automatic selection of relevant isolated colonies
- Designed to optimize the **Colibrí productivity**

OPTIMUM QUALITY & SAFETY

- Safe decision with **expert system**
- Never touch a negative plate
- **Focus on plate with clinical interest:** Algorithms improve sensitivity and specificity
- **Improved bacterial growth** through defined, uninterrupted incubation times

Increased Reproducibility & Traceability

- **No variability** of human interpretation
- Bi-directional connection with **LIS for traceability**



ONLY WHEN EMPOWERED BY BIOMÉRIEUX

- When you choose WASPLab® and PhenoMATRIX® **empowered by bioMérieux**, you gain benefits like:
- **Fully-supported technical integration:** Get help defining rules for your unique needs and challenges, as well as **training and ongoing support**.
- **Exclusive bioMérieux Lab Consultancy services:** Helping you unlock WASPLab®'s power, prepare your team and ensure **effective change management**.
- **Validated compatibility with CHROMID®** chromogenic plated media: Optimal media for WASPLab® algorithms and PhenoMATRIX®.
- **A true partner:** We combine **bioMérieux Microbiology expertise** with **COPAN innovative mindset** to develop new offers **that improve both efficiency and medical value**.
 - **CHROMID® CPSE RTTR new protocol** allowing **8 hours Faster Time to results** in comparison to the standard routine urine workflow with a **high recovery rate of E. coli on CHROMID® CPSE**.
 - **MDRO Multi-plates management**
 - Gain of time in the classification and sort out of plates
 - **Improvement of the diagnostic of associated resistance** (eg BLSE/CRE) by reading plates from the same sample in the same page.
 - Gain in the **patient's management** → Isolate MDRO colonized patient.



TESTIMONIAL: LABOSUD SEES CONCRETE RESULTS OF PHENOMATRIX®



The LABOSUD clinical microbiology laboratory in Montpellier, France, integrated PhenoMATRIX® into their WASPLab® system in 2018. Within months, the benefits were clear:

*“Using the PhenoMATRIX® expert system with the WASPLab® solution positively impacted our organization across the board. First off, we gained time by significantly lowering the time spent reading plates, automatically sorting negative and positive results through PhenoMATRIX® and reporting a high number of results simultaneously. Thanks to the collaborative efforts of the LABOSUD, bioMérieux and COPAN teams, we can now report over 80% of our routine urine test results with the click of a button. We automatically sort positive cultures into different categories for reading, such as E. coli, Non-E. coli, etc., **taking into account the leucocyte level, patient history and the clinical context.** We have better bacterial growth thanks to a defined, uninterrupted incubation time. The algorithm’s sensitivity and specificity for pathogen detection **limits risks to patients and enables us to focus on at-risk samples.**”*



Jérémy BAYETTE,
Medical Microbiologists
and Co-Managers of
LABOSUD



Guillaume TEISSIER,
Medical Microbiologists
and Co-Managers of LABOSUD



WASPLab[®]

EMPOWERED BY BIOMÉRIEUX

More than just automation...
It's about your uniqueness.

Your lab productivity needs to evolve. WASPLab[®] is a **flexible** automated processing, reading and **picking solution**. When **empowered by bioMérieux** with end-to-end microbiology expertise and support, WASPLab[®] offers efficiency and **continuous innovation**.



CHROMID[®] media validated for WASPLab[®]

Directly identify microorganisms

- CHROMID[®] CPS[®] Elite
REF: 418284
- CHROMID[®] Candida
REF: 43631/43639
- CHROMID[®] S. aureus Elite
REF: 419042
- CHROMID[®] Strepto B
REF: 43461

Specialized media for MDRO

- CHROMID[®] CARBA
REF: 43861
- CHROMID[®] ESBL
REF: 43481
- CHROMID[®] MRSA
REF: 43451/43459
- CHROMID[®] MRSA SMART
REF: 413050/413051
- CHROMID[®] VRE
REF: 43004



PhenoMATRIX[®]

REF: WLAB-SW-PHENOMTX

PhenoMATRIX[®] PLUS

REF: WLAB-SW-PHENOPUS

PhenoMATRIX[®] TAG

REF: WLAB-SW-PHENOTAG

Please contact your local bioMérieux representative for availability of these solutions in your country.

Manufactured by

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Copan

Distributed by

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