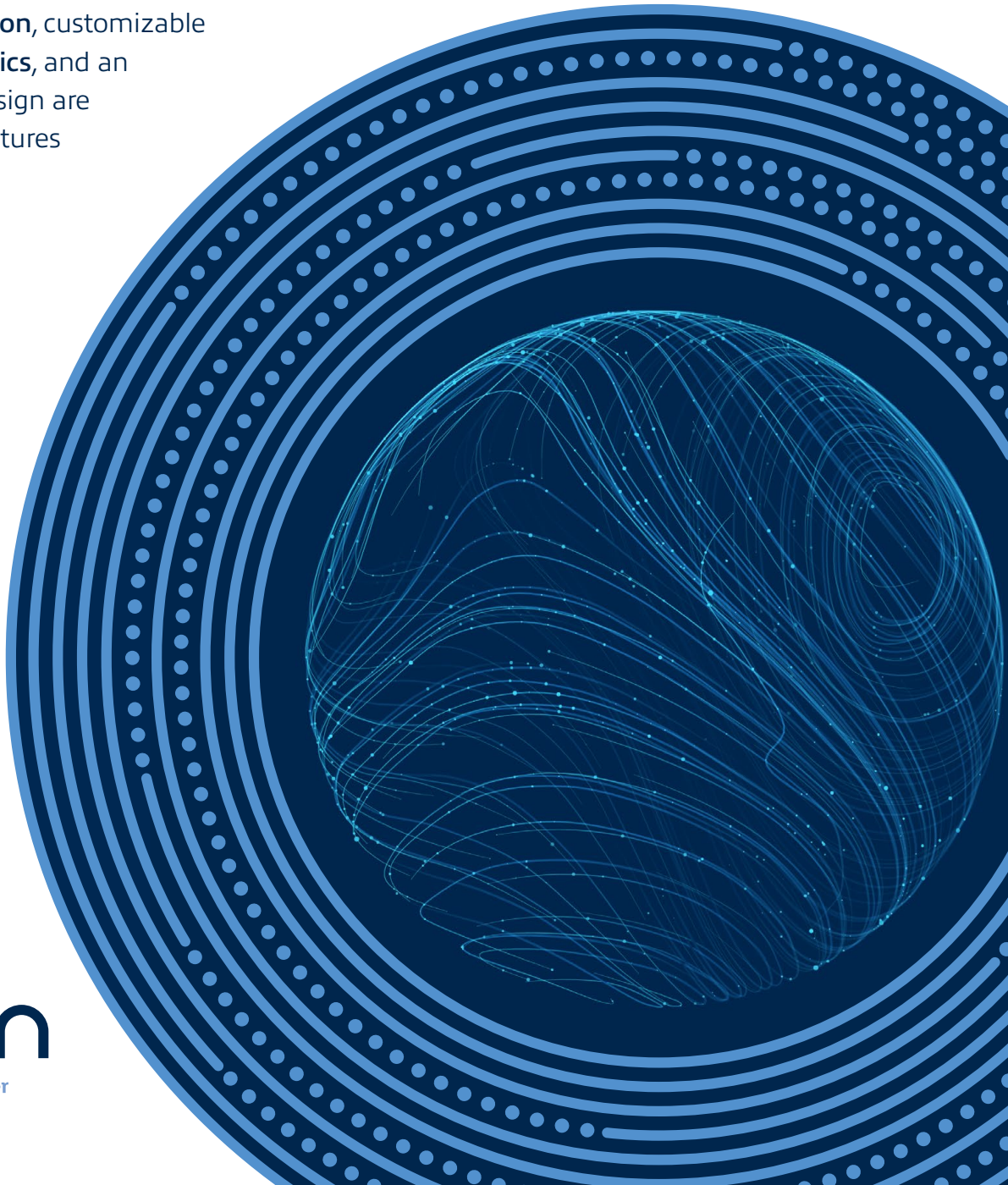
MicroHub® is almost here!

The modern Lab Intelligence Platform

Finally manage the lab, operate your routine, and empower data from **one single software**. AI powered **validation**, customizable **dashboards**, **statistics**, and an **integration-first** design are just some of the features you will love.



Copan
innovating together

Last phases before launch

MicroHub® is almost ready, get in contact in advance!

MicroHub® is about to be released on the market. **Forward thinkers** know that this is the time to get in touch and start to **recover informations** for future implementations. Browse this brochure or even better, get in touch!

Request a demo!

No brochure will tell you everything you need to know: **get in touch with us**, we love to talk to people!

Write to:
sales.wasp@copangroup.com

Or visit our website...
www.copangroup.com →

...and click
Contact us

MicroHub®*

Briefly said, MicroHub® is a gamechanger

There is no plain definition to what MicroHub® is: it connects all the lab automations and softwares **like** a **middleware**, looks like an L.I.S. as it works as an interface with patient, sample, test and workup data, it aggregates and analyzes them like a **management platform,** and finally it streamlines the validation process like... no other, actually.
Please welcome the real **Microbiology Hub.**

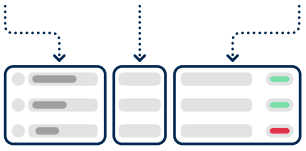
Why is it unique?

Connection without compromises

MicroHub® is not the usual "We connect our own automation" software. It is designed to jump **right in the middle** of your microbiology lab automation environment, bringing every available data together in real-time right into your hands.
One single interface to work with L.I.S. as well as all platforms, workloads, and results, manage the validation phase in a flash.

Leverage MicroHub® to...

Advance your report phase to the next level with serial-, mass-, and auto-validation!



Collect and arrange all the data the way you really need.

Monitor all lab automation status and workload in one single view.

Analyze all the lab activities with statistics and aggregated data.

No time to read?

Jump right to the second half of this brochure to peek into screenshots and feature highlights.

*As said in the first page, MicroHub® is not yet released. Get in contact with Copan to check for updates on the release date and to check for availability in your country.

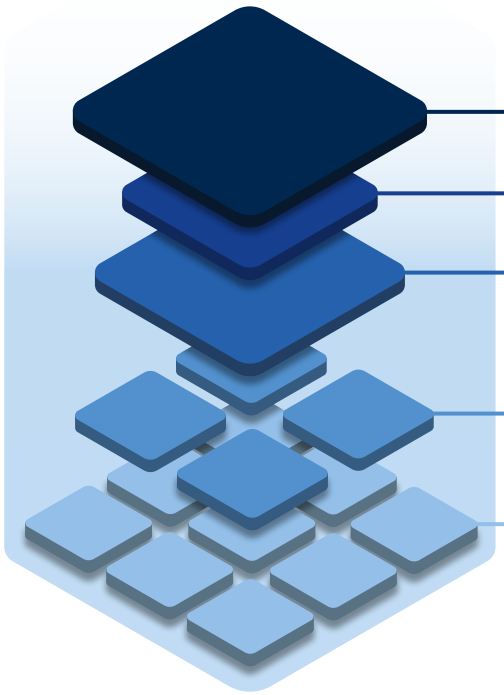
What will MicroHub® do for you?

Connect and collect to a common base

Main priority: retrieve all the data

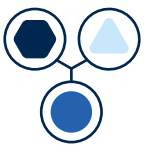
Right now in your lab, patients, samples, tests, and automation are generating a cloud of data that awaits to express its potential. MicroHub® integrates with **L.I.S** and all the other **digitally connected automated systems**, and can gather information ranging from patient anagraphics, to test results, plate and tubes id, automation processing status, and obviously intermediate outcomes. Basically anything that gets recorded.

A real-time Data Stack

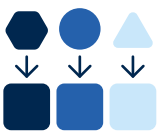


- *Patient*
- *Clinical*
- *Analytics*
- *Best Practices*
- *Samples*
- *Tests*
- *WASPLab Ecosystem*
- *Maldi-tof ID*
- *Automated Antibiogram*
- *Molecular Biology*
- *Blood Culture*

Keystones



Multichannel L.I.S. HL7 Connection



Different inputs brought to a common base

Modulate your UI over the info you want to get together

Make them accessible

Your own priority at first-sight

Imagine every information to be connected in a huge shapeless cloud, or less dramatically, in an impossibly complex spreadsheet. The more data you bring in, the more the spreadsheet grows. How does MicroHub® enable its readability? **Flexible User Interface, widgets and dashboards, object filtering**.

Just focus on your interpretation key, and get your data arranged by **your point of view**.

Patient First?

Sort all samples and tests for each patient's status, historical clinical data, or outcome. Perfect for **cross-talks** between departments when **facing specific clinical cases.**

Sample First?

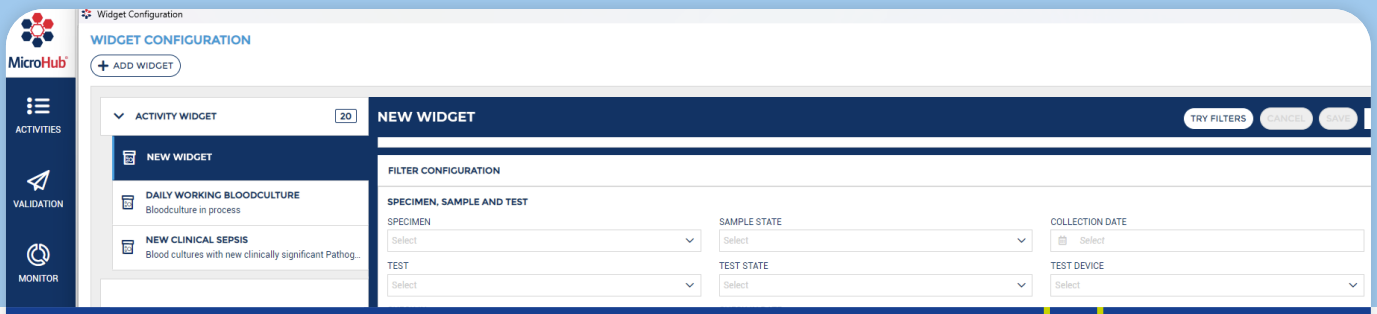
Breakdown any sample downstream items (plates, ID targets, secondary tubes, enrichment tubes, and so on) and all the tests performed with it, their status and their results.

Management First?

Epidemiology, workload, quality, TAT. Perfect for **reporting and analyzing** overall lab performances and planning for future **improvements.**

Quality First?

Explore every step of your lab workflows, check for **inconsistencies**, **errors** and address **black spots**, for QA-proof lab escalation.

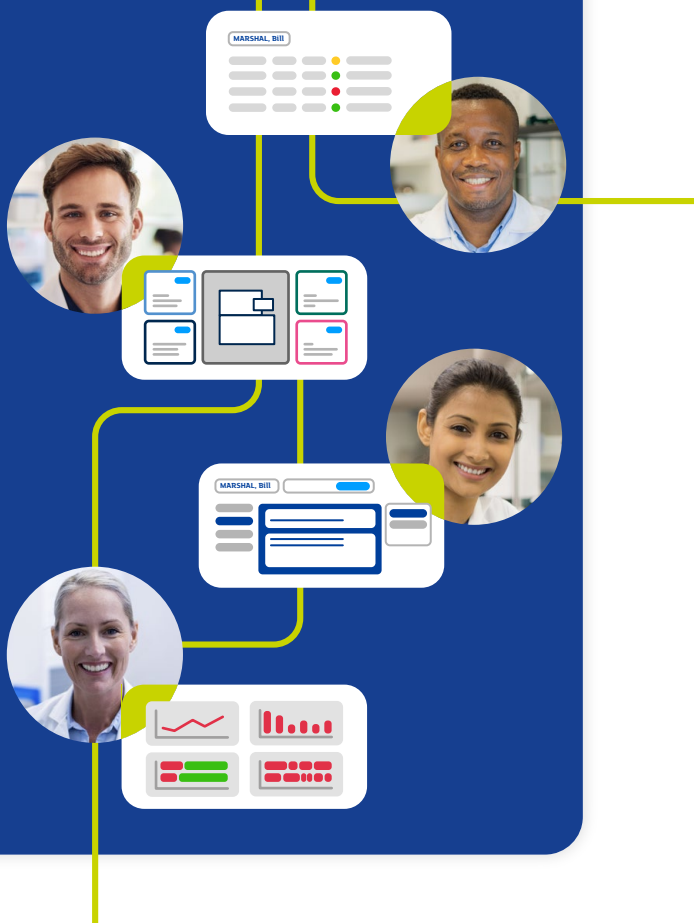


Do-it-yourself customization!

You read it half a dozen times:
MicroHub® is a software designed to address the needs of **many different professionals**. That's why a **self-customization** is a feature that cannot be missed here.

- Create your own widgets for easy access to your activity lists and share it with your colleagues
- Organize your dashboard to highlight priorities or generic topics
- Manage different editor rights
- Append notes so everyone knows exactly the purpose of each widget

All of this without dipending on your provider service!



We love algorythms

A new way of thinking Technical and Clinical Validation

Like our top-notch softwares PhenoMATRIX® and Radian® Expert System, MicroHub® leverages Artificial Intelligence principles to fight **against repetitive and error-prone tasks**. Build your rule set, enjoy MicroHub® bringing up all the tests that match those rules, and then... choose the way you prefer to proceed.

Serial Validate

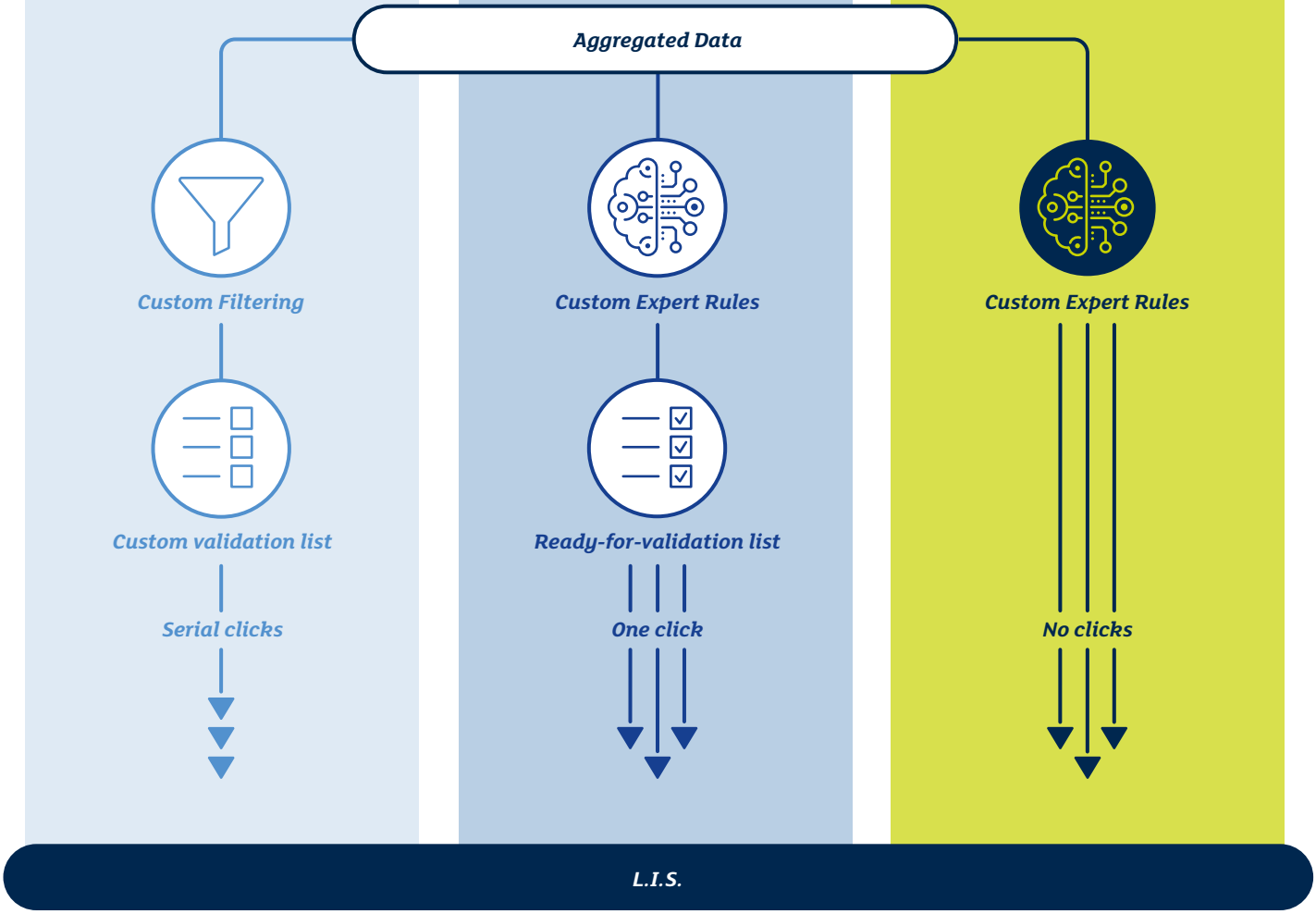
In a single page all the info you need to take action: one click to report directly to L.I.S. and pass to the next page.

Mass-validate

Just one click... and every test that complies with your validation rules is sent to L.I.S.

Auto-validate

Forget about it. Everything that fits your rules gets validated right away.



We love algorythms even more

A new way of thinking Workup Waterfall

On the same principle, the use of expert rules can be applied not just for validation! Thanks to the wide range of data retrieved, MicroHub® can also automatize **chunks of the lab workflow,** especially the established ones that imply multiple lesser steps.

A simple example for a complex concept (tongue twister included)

Positive Blood Culture to Gram Slide

Ouch! We have a positive blood culture! A pretty established practice is to immediately go for a morphological and staining examination for the patient positive blood cultures with a slide. Why then a lab tech should check for the positivity, get the tube, scan the label, submit an order (maybe print some document) and finally perform it... instead of just doing it?

With a simple rule set, MicroHub® will check the positivity, and append your test of choice to the sample! Total time required? Few seconds in the worst case.

Getting the maximum from WASPLab®

WASPLab® and MicroHub® speak WISELY

Up to now we said that MicroHub® is able to get the best from all the lab automations. It's obvious thought that it is a Copan Software designed to **work in perfect synergy** with Copan Automation, as a perfect expression of our WISE approach.

- *Expanded control over WASPLab® orders*
- *Enhanced WASPLab® workup Automatization*
- *Optimal Radian® Expert System integration*

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MicroHub®
hands-on

Let's peek into some screenshots

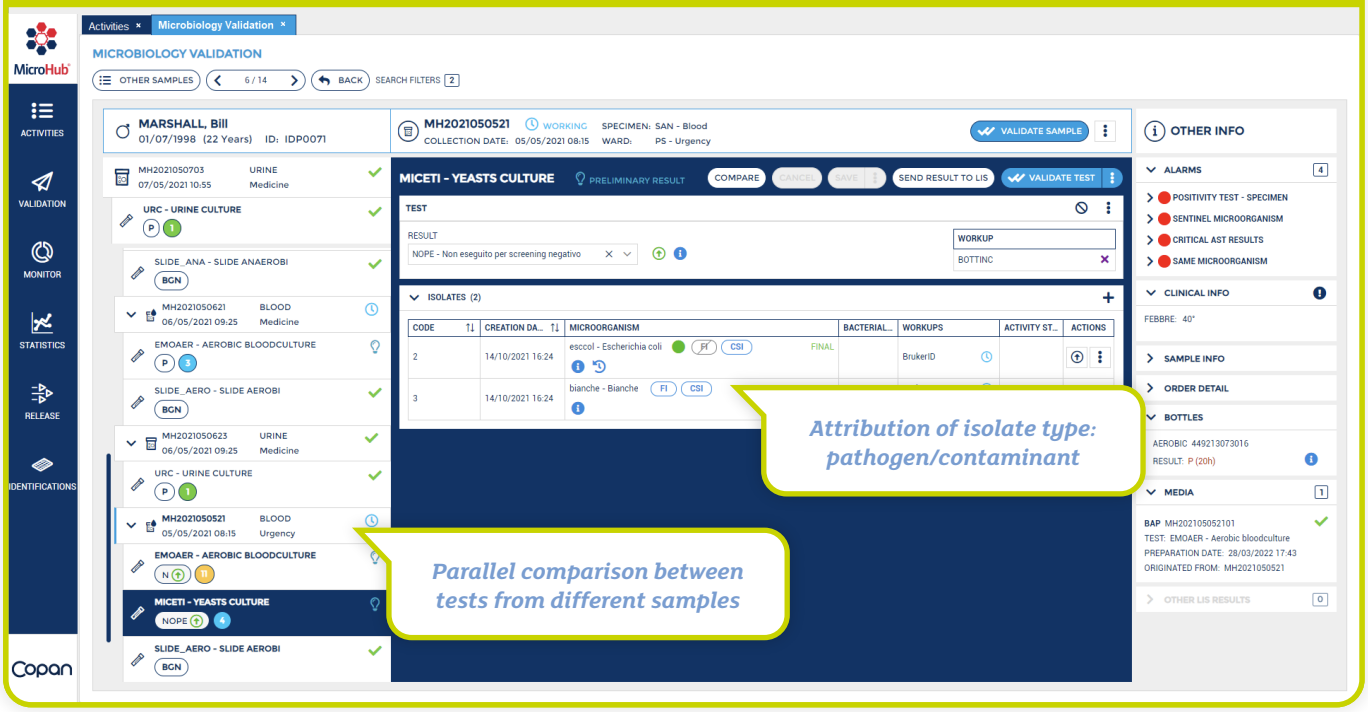
Validation Page

The core of patient-centric features

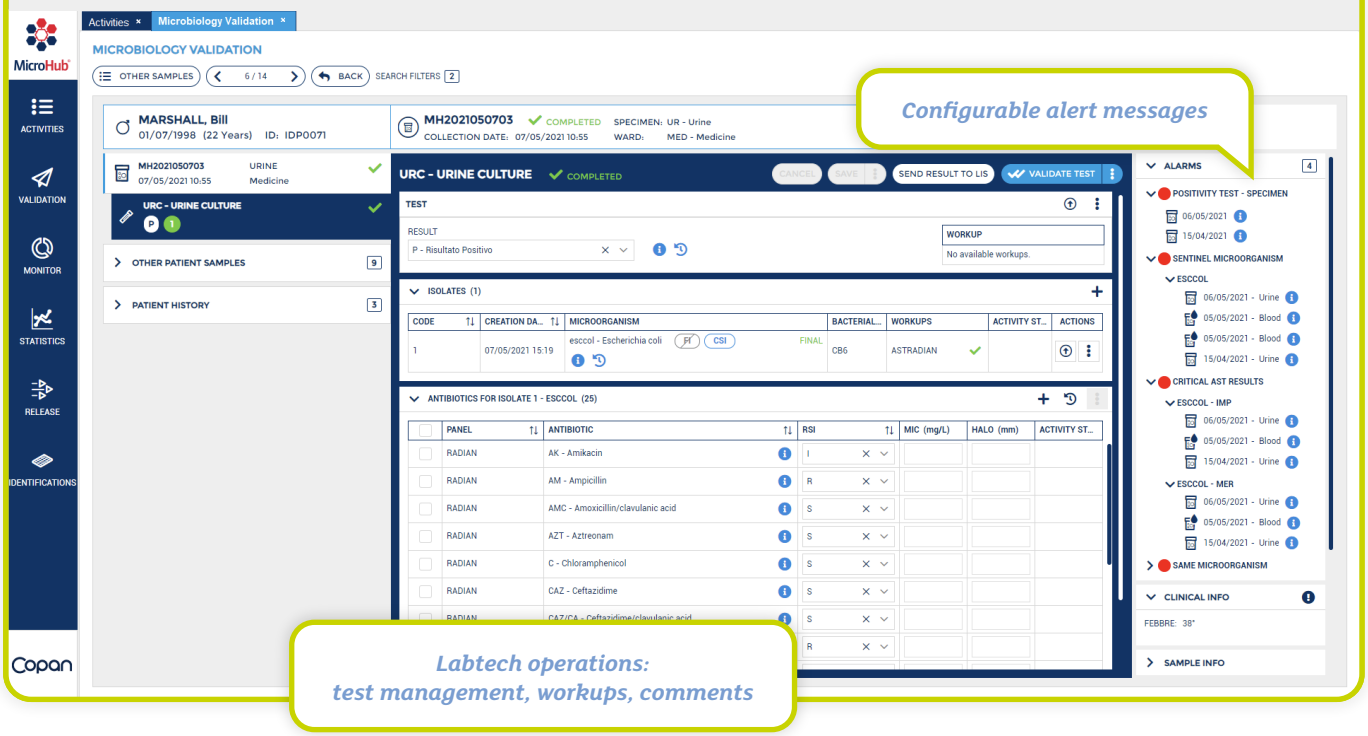
This is the one page you'll use to investigate all the sample/test/workup/result layers **connected to a patient**. On the left you will find patient ID and demographics, you can choose the samples and related tests for each.
In the middle all the core information and on the right all the horizontal ones, that you want to have right at your fingertips to take the right decision.

Ready to proceed? Validate the test or just add comments and send the result to L.I.S.

Unique page for all the patient information



Clinical evaluation: full sample, individual test, validation



Activity Management Features

Technical and Clinical Worklists, all configurable!

A core tool designed to ease your approach to the lab itself: get in control of your own workflow aggregating entries by your own criteria! Do you need to keep an eye on all the urines? Are you overseeing the MALDI-TOF ID Workup? Or maybe Quantiferon test is your focus area?
To understand real the power of this tool you should not just think about the sample type though: you can build worklist based on **test type, workup type, workup status, sample status, and so on.**

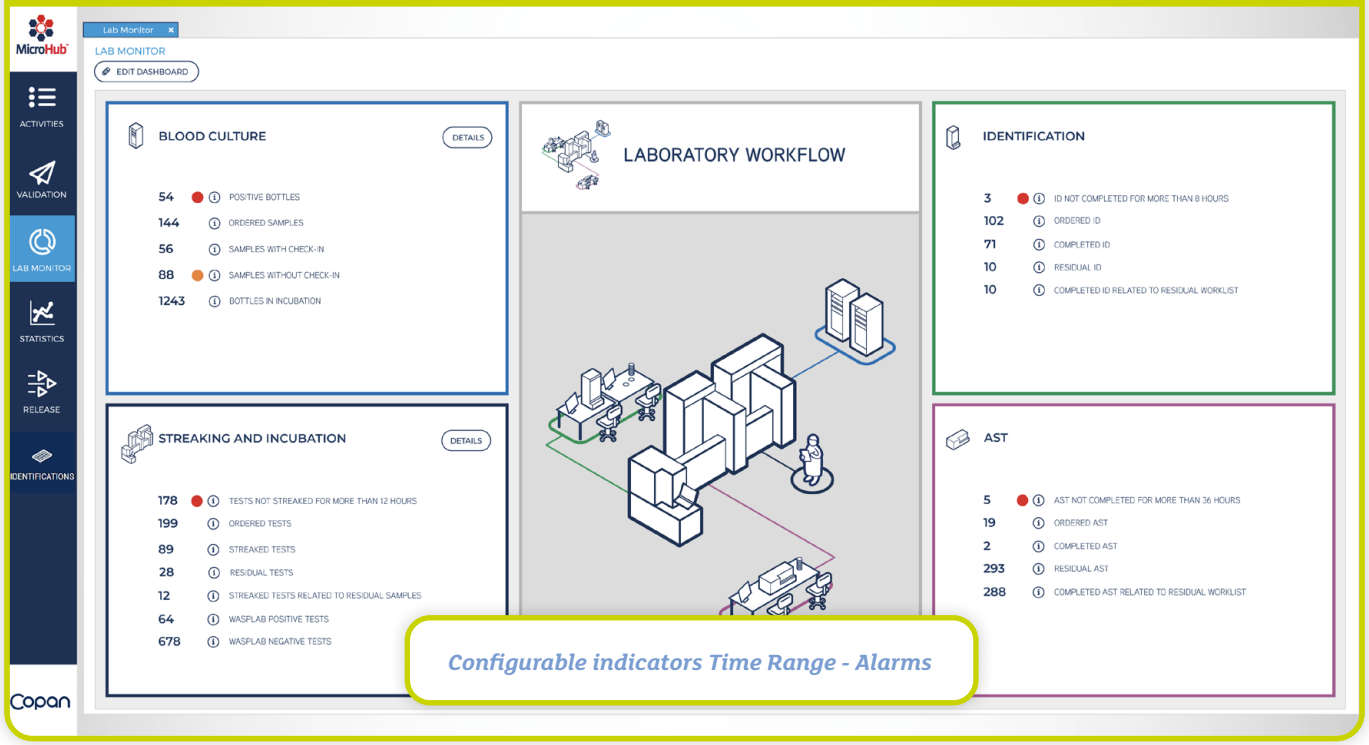
Don't limit your requirements on technical informations, go also for the clinical ones, and don't forget that you can customize your whole dashboard, not just single widgets!

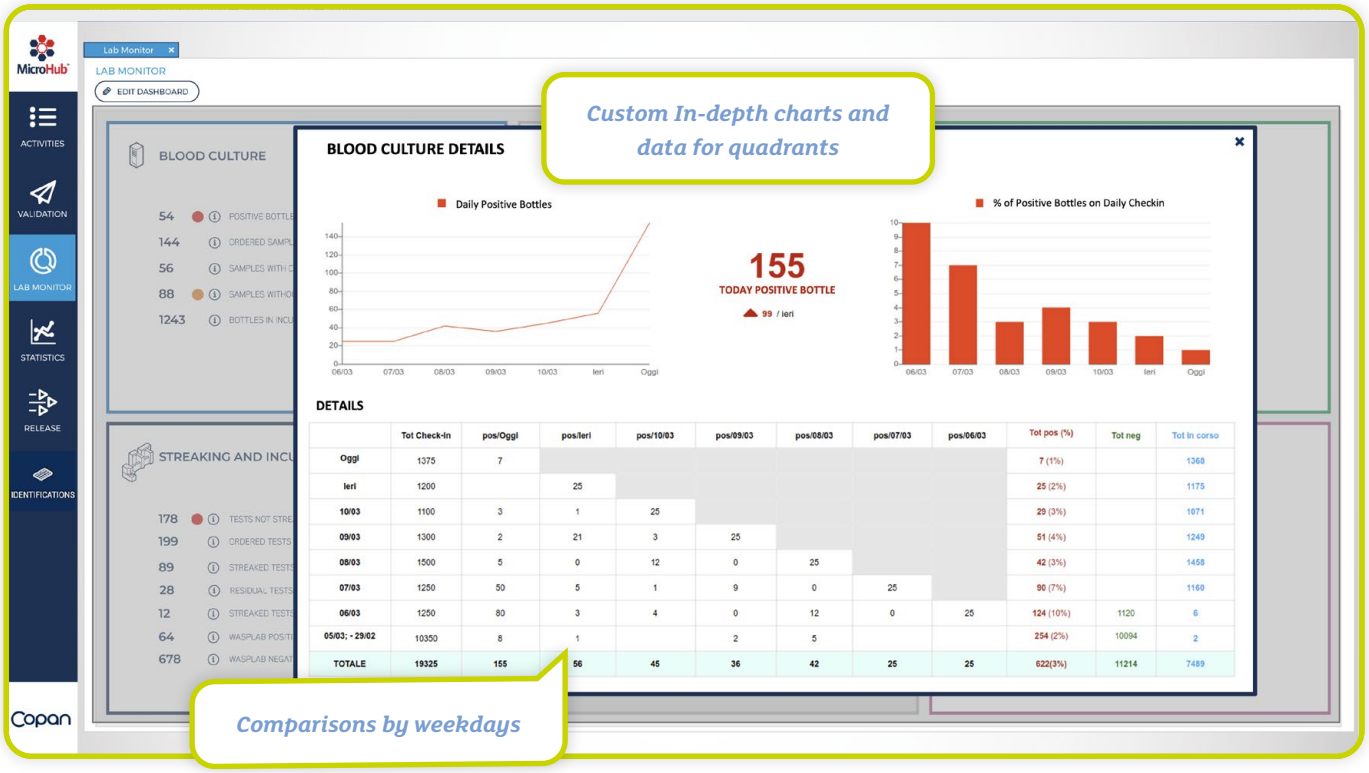
Lab Monitor Dashboard

Check the real-time monitor and manage!

Recall in a single dashboard the workload of blood cultures, streaking and incubation, IDs and ASTs workups, and then dig deeper to see graphics and tables to get a new perspective on your lab daily routine.

Main dashboard with custom indicators

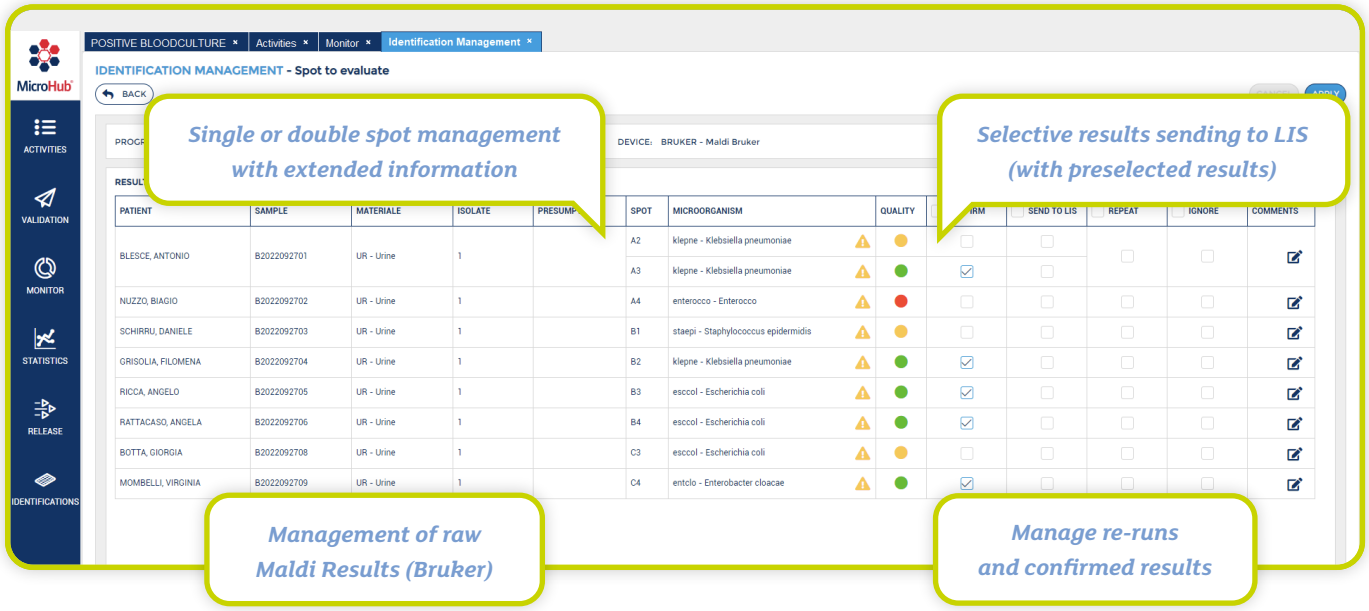


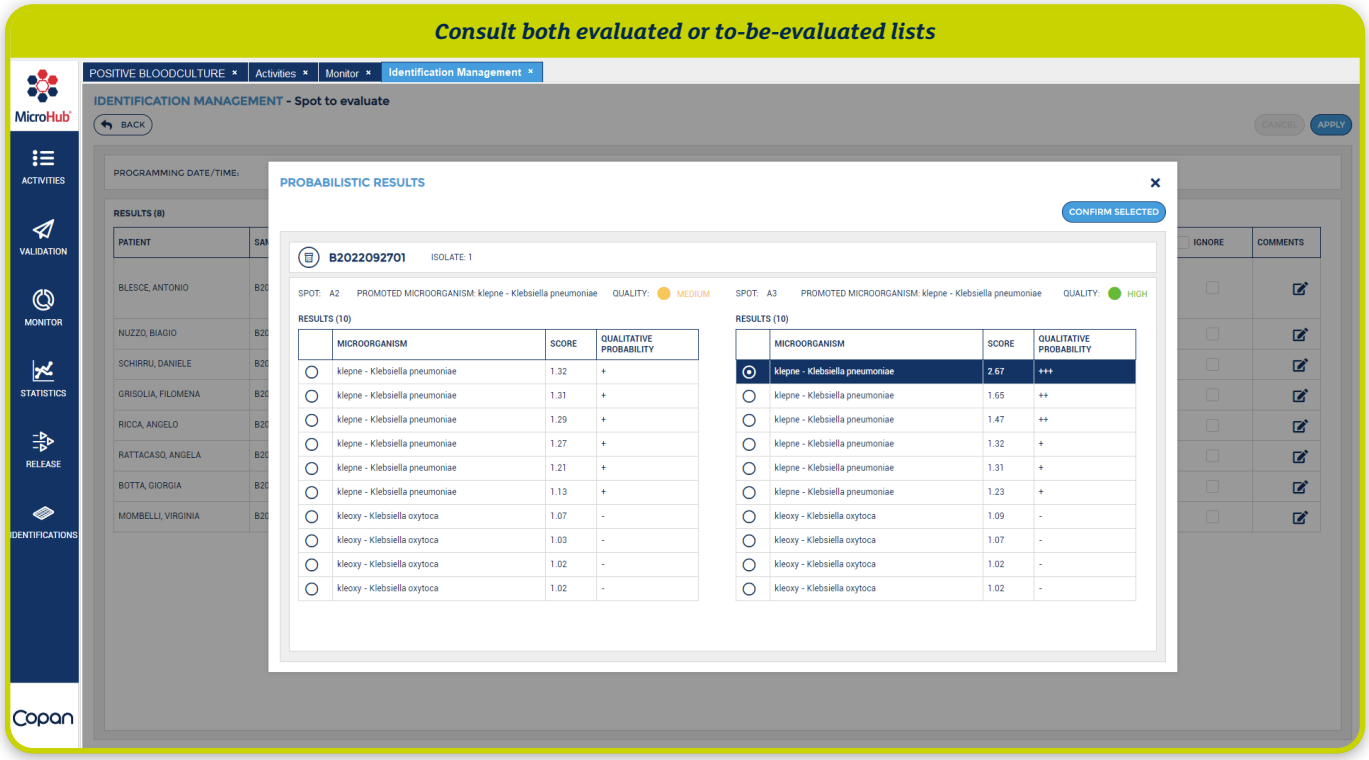


Identification Management Page

Get the best from ID integration

Identification earns a dedicated page. From here you will have the full **breakdown of isolate identification data**, ranging from material isolate number, presumptive result, and the quality rate of the identification.
On the right are the actions you may want to perform: from your own workstation you can confirm, forward to LIS, comment... or even ask for a repeat or new workup.



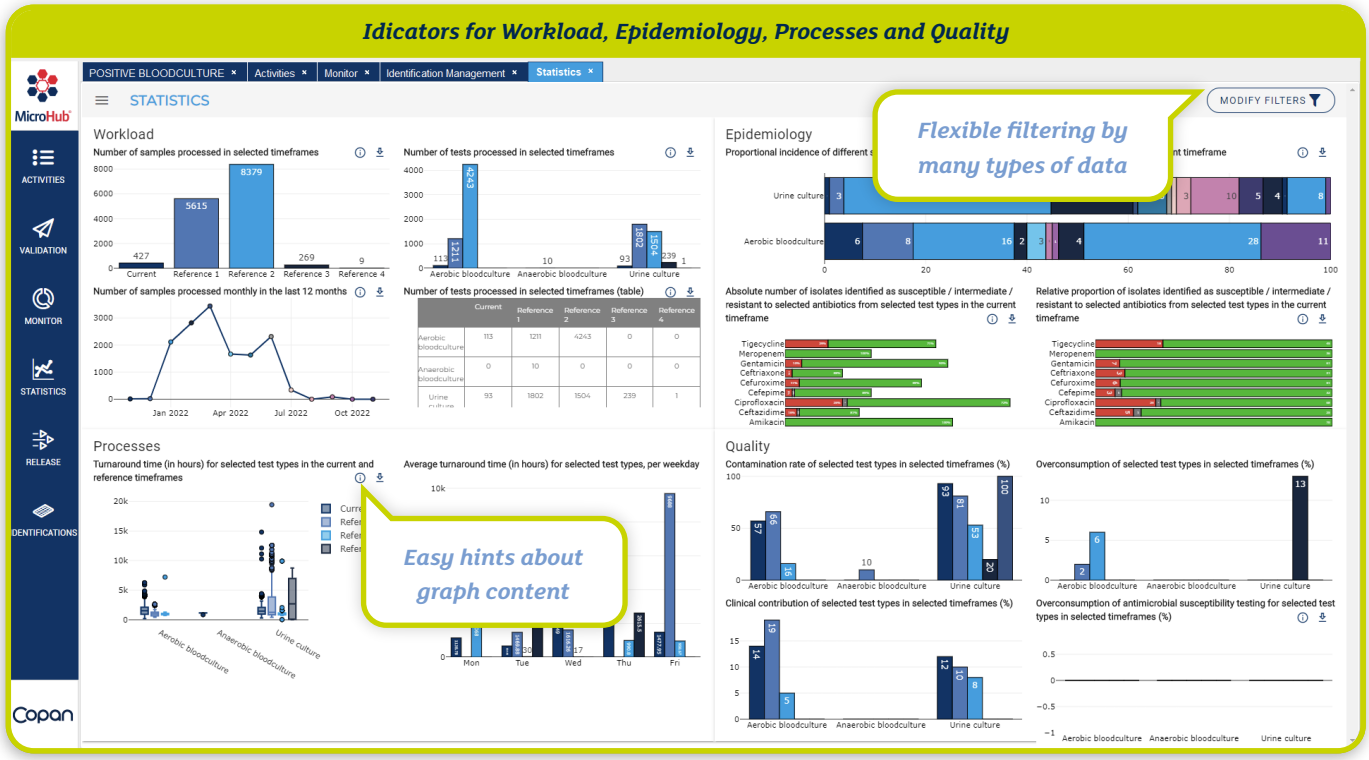


Statistics Dashboard

Not just here-and-now

Often underestimated, the **retrospective analysis of data** brings a huge added value and a solid base to build up your lab proficiency and impact.

If you are managing the lab at an higher level, peek into the **Statistics panel**.
Explore epidemiology data, monthly based workloads, turnaround times, overview process statistics, or even breakdown your Quality KPI, like contamination rates or microbiology tests orverconsumption.



Workflow Integrated System Environment

We **fell in love** with Microbiology a long time ago.

Since then we worked tirelessly with one goal in mind: designing **preanalytics as a whole.**

Designing **products that empower each other** to adress the most critical phase[1] of the microbiological analysis. Every product in the Copan range, finds **its reason-to-be** in this ~~wider~~ wiser vision.

[1] Lippi Giuseppe, Chance Jeffrey J., Church Stephen, et al. "Preanalytical quality improvement: from dream to reality" Clinical Chemistry and Laboratory Medicine, vol. 49, no. 7, 2011, pp. 1113-1126.

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