

Streamline communications
between care providers
and laboratory

CyberLab

Customisable and intelligent order
entry and result consultation solution

Made to order ... and report

Clear, fast and correct communication between care providers and laboratories is key in enabling high-quality patient care. And from order entry, to sample collection, to result consultation, CyberLab keeps you connected – anytime, anywhere.

With CyberLab, you can ensure internal and external care providers secure and easy access to lab services and results. No matter how large or small your practice, hospital or network, no matter how your workflows are organised. CyberLab helps you increase speed, productivity and accuracy.

The modern, intuitive user interface offers an excellent experience on any device: desktop computer, tablet or smartphone.



Easy, error-free order entry

State-of-the-art ordering:



Intelligent and secure guidance during order entry



Auto-prompt for required information



Specialty-specific test panels



Sample label and barcode printing



Order follow-up

Requesting laboratory exams, made-to-order

CyberLab's web-based order entry module allows referring physicians inside and outside of the hospital to order laboratory exams, right from their electronic patient record (EPR) or general practice management system.

Easy-to-use and customisable, it meets each department and specialty's workflows and requirements. The requestors are guided smoothly through the ordering process by the **intelligent user interface**. They receive a sampling list and order barcode, and can check the status of their orders at any time.

Increased efficiency for the laboratory

The intelligent guidance for the requestor also reduces time, cost and risk of errors for the laboratory. **Configurable rules** ensure, for example, that certain user profiles can only request specific tests, that multiple orders can be created at once, that orders containing test requests for different laboratories are automatically split, and that all the information the laboratory needs is provided in 'one go'.

Flexible sample collection workflows

Phlebotomy workflows vary from country to country, hospital to hospital. Sample collection may be centralised in your facility, or decentralised using remote collection points. Whichever workflow you use, CyberLab flexibly matches it.

- The phlebotomy module can be used on **mobile devices**, such as smartphones and tablets.
- Externally created orders are **stored in a pool** until they are sent to the laboratory of choice.
- The phlebotomy module also supports **pre-barcoded tubes and labels** with different barcode formats, eliminating the need to relabel samples.

Interactive and dynamic result consultation

Real-time results, supporting informed medical decision-making

CyberLab's web-based result consultation module gives physicians real-time access to the complete lab reports needed for informed decision-making.

Physicians can access the **interactive and dynamic reports** anywhere, anytime, right in their EPR or third-party GP system.

The flexible result consultation screens and **wide range of layouts, filters and features** let them define how they will view results, from any lab specialty. Confidential information is hidden from unauthorised users.



Empowering informed patients

Patients today take a more active role in their health care and want to stay well-informed. CyberLab's patient portal enables them to view their own results.



Flexible and feature-rich result consultation:



Dynamic, interactive screen layout



Cumulative display of results



Support for (history) graphs and images



Printer-friendly reports in PDF format



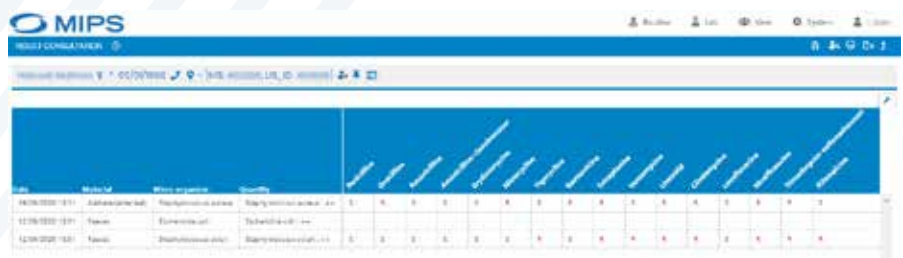
New, urgent and abnormal results are flagged

Rich in features and perspective

Icons draw the attention to **new, urgent or abnormal results**, ensuring important information does not get missed.

A **history graph**, simultaneously showing a patient's results from up to **200 orders**, provides a rich, cumulative perspective. The dynamic user interface can also present reports from external systems, enabling the physician to **compare results, even from other labs**. Linking these results to external literature and manuals further enhances their value.

The increased efficiency and depth improve **disease surveillance** as well as the ability to handle time-sensitive and high-volume diseases.



CyberLab's dedicated, structured **display for microbiology results** includes a clear overview of the detected isolates along with an antibiogram summary.

“Fit for purpose” touchscreen interface



Built on MIPS' experience with more than **150 customers in 12 countries**, CyberLab's 'fit for purpose' user interface uses the **latest web technologies** and supports the most recent web standards.

The screen layout and displayed functionalities are adapted to the user's needs and **adjusted to the type of device** – computer, tablet or smartphone.

No redundant data is shown, creating an efficient and clutter-free workspace. The familiar and user-friendly design provides **a comfortable experience**, making ordering laboratory exams and viewing results easy and productive.

Meeting security and privacy requirements

Keeping data safe, secure and traceable is a priority for every healthcare organisation. In today's networks, and with ever-stricter regulations, the security of transmitting and handling medical data takes on a new urgency.

A dedicated MIPS team continuously monitors the evolution of local and international regulations to keep CyberLab in line with requirements.

- **All user actions are logged.**
- Active directory role-based authentication and authorisation provide **secure login**.
- Client certificates support advanced login systems, such as **card solutions**.
- OWASP-compliant, CyberLab is regularly submitted to internal and external **security audits**, and adapted accordingly.
- CyberLab's rich functionality enables you to comply with **privacy guidelines**, such as GDPR.



A case in point:

A patient presents himself at your lab or practice for a blood test. With the direct interaction between CyberLab and GLIMS:

- You see not only the orders that are planned for your patient, but also the unplanned orders. You select the correct request and activate it in GLIMS.
- GLIMS calculates what samples the laboratory needs and provides this information to CyberLab, giving you the exact information on the samples that you need to take.
- CyberLab reports who took which sample and when to GLIMS, enabling sample traceability in accordance with ISO 15189.
- With the precise sample collection time available in both CyberLab and GLIMS, you can even check whether a sample is still stable for you to order additional tests without taking new samples.

Smooth integration for a seamless data exchange

CyberLab is an open system that easily **integrates with other software solutions, from any supplier**. It can exchange information with any laboratory information system (LIS), hospital information system (HIS), and even different systems simultaneously, based on **international standards** such as HL7 and HPRIM. It can also support national and regional ehealth initiatives.

Embedded into an EPR or PMS, it provides a seamless experience – the user may not even be aware that they are using a different application.

Delivering end-to-end workflows through LIS connectivity.

The MIPS portfolio includes solutions that support the entire workflow for all lab specialties, end to end, from order entry and sample collection, to result consultation – and everything in between.

When using CyberLab with the GLIMS LIS, data registered in one system is available in real time in the other. This gives you access to additional information that enables you to work faster and more efficiently.



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