



Connecting Laboratory Information Management to the Future

Laboratory management systems underpinning efficient, effective, high-quality provision of care

Private and hospital laboratories are under increasing pressure to reduce costs whilst at the same time improve service and quality. The clinical laboratory market is evolving rapidly and requirements for compliance, accreditation and process optimisation continue to grow. The modern, clinical laboratory is dependent upon advanced information management solutions to deliver a high quality, reliable service to its requesting clinicians and patients – today and into the future.

What benefits does GLIMS offer you?

- Time-savings
- Cost restrictions
- Higher operating quality
- Better insight into and overview of the way your laboratory operates
- A more streamlined organisation
- Greater competitive edge

What is GLIMS?

- A leading, end-to-end information management system for laboratories
- More than 10,000 users in hundreds of laboratories in over 15 countries
- Sophisticated, upgradable, open for future-focused development
- Multi-lingual, flexible, adaptable and expandable
- Features full traceability and quality control
- Geared to meet all international standards





Five conditions for success

If you would like to use information management as a lever to gain competitive advantage, you should be asking yourself, at least, the following questions about your system:

- 1 Does it draw on in-depth **domain expertise** to provide support for the many challenges your laboratory has to deal with on a daily basis?
- 2 Is it sufficiently **flexible and scalable** to be able to provide you with the highest return on your investment, including if there is a change to your laboratory configuration?
- 3 Does it meet all **international standards** on quality control, traceability and results validation?
- 4 Is it simple to **integrate** with the information management systems used by your customers and suppliers, and is the communication fast, reliable and accurate?
- 5 Does it provide you with options for **reducing costs**, across all laboratory specialisations and configurations?

GLIMS, the General Laboratory Information Management System from MIPS, meets all of these – and many other – criteria from the most demanding and successful clinical laboratories.

1 **Built on experience**

GLIMS is constantly being developed and enhanced by MIPS, a leading specialist in laboratory automation since 1985. More than 10,000 users in hundreds of laboratories in over 15 countries use the technological capabilities of MIPS software to enhance the quality and efficiency of their processes.

Why do so many labs use MIPS?

- MIPS has grown an extensive domain knowledge base built on **the experience** and **expert advice** of specialists who have detailed, hands-on knowledge of the clinical laboratory, covering hospitals, academic centres and independent laboratories.
- MIPS takes into consideration the practices, procedures and plans of all lab users including technicians, clinicians, service managers and configures its solutions to meet these needs – not the other way round!



Management to the Future

2

The best return on your investments

GLIMS is a **comprehensive** automation system: order-entry, instrument communication, results processing and validation, quality control, reporting, reconciliation and invoicing, payment follow-up and statistics. **GLIMS** can also be used in an extremely diverse range of laboratory disciplines: haematology, clinical chemistry, serology, immunology, toxicology, microbiology, bacteriology, epidemiology, virology, blood transfusion, cellular pathology, clinical trials.

As a **GLIMS** user, you have the most advanced information management available to you at all times, because the whole system is constantly being developed and enhanced by MIPS, which means you benefit from the best practice ideas which are input into product developments by our large, installed base of **GLIMS** users.

At the same time, **GLIMS** is also extremely **flexible** and **adaptable** to the specific needs of your laboratory. **GLIMS** is:

- multi-lingual (to meet the needs of your specific users)
- straightforward to expand (for example with a lab-oriented assessment system for diagnostic support rules, reflex tests, decision-making rules, etc.)
- configurable: you have total freedom to define the content of screens and reports, even customised for specific users. For example: personalised reports for each doctor.
- compliant with all national legislation: pricing, invoicing, accounting, VAT regulations, etc.

To sum up, **GLIMS protects your investment** as your laboratory evolves.

3

International standards

GLIMS meets all international standards and requirements and supports you in your quest to achieve the highest possible quality in your laboratory. **GLIMS** provides support for:

- **ISO 15189** accreditation
- GLP (**Good Laboratory Practice**) accreditation, with an internal audit trail throughout the entire system
- **Standard Operation Procedures** (SOPs) which protect the validity and traceability of all data
- **control facilities** and automatic registration of modifications to results and changes of status
- internal (IQC) and external **quality control**, technical and biological **results validation**
- **IHE compliance**. **GLIMS** is the first LIS to have achieved IHE integration statements for the Laboratory Testing Workflow, Patient Administration Management and Laboratory Code Set Distribution profiles



4

Integration and communication

GLIMS operates in a *hardware-independent* environment, on a range of platforms. As a consequence of the *uniform communication model* of the entire system, **GLIMS** is simple to incorporate into an information network using third-party applications (data managers for instruments, hospital information systems, GP systems, insurance systems) via various *standard protocols*, such as HL7, HPRIM, LDT, ASTM, Edifact and many others. **GLIMS** complies with international IHE regulations for the healthcare sector.

GLIMS also supports direct links with instruments, as well as automation and robotics systems for laboratories. The system has effective security control, with privileges that are easy to set up for each user or group of users.



5

Cost reductions

Laboratories that implement **GLIMS** will soon see their overheads start to fall – so much so that **GLIMS** will very quickly pay back the investment involved. The cost reductions can be attributed to areas such as:

- automation of repetitive tasks, including data entry, reporting, invoicing, payment follow-up
- uniformity and extreme ease of use, saving time and requiring less training
- central control of all instruments
- straightforward representation of complex analysis and processing procedures
- flexibility and configurability, enabling **GLIMS** to offer your laboratory and everyone who uses it exactly what they need
- automated communication with customers and suppliers.

For more information, to request a demonstration or references, please contact:

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