



Laboratory software

Advanced data analytics solutions for SampleManager LIMS software

Clarity for decisive action

Labs generate vast amounts of data in various forms—from sample analyses and test results to information about lab personnel, instruments and equipment. To unlock the full potential of this data, it must be contextualized and presented in a format that enables informed decision making. Thermo Scientific™ SampleManager™ LIMS Software offers two powerful data analytics solutions designed to do just that: the Data Analytics Business Intelligence (BI) Solution for SampleManager LIMS and the Data Analytics AI Solution* for SampleManager LIMS.

The Business Intelligence (BI) Solution

The BI Solution oversees lab processes with pre-configured dashboards that deliver instant, deeper insights. These intuitive dashboards display key business and laboratory metrics such as resource availability, stock information, location status, and lab performance in a clear, interactive format. Users can drill down for further details and results, enabling quick and effective decision making.

The BI Solution allows labs to:

- **Optimize resources:** Visualize and manage lab capacity and utilization.
- **Streamline inventory management:** Real-time tracking of stock levels and usage.
- **Enhance lab performance:** Monitor key metrics and identify areas for improvement.

Key features of the BI Solution:

- **Pre-configured dashboards:** Immediate insights without the need for additional software.
- **Interactive data displays:** Easy drill down and exploration.
- **Real-time data integration:** Eliminate delays from data transfers.



The AI Solution

Elevate your data capabilities with this cutting-edge AI solution, designed to integrate advanced AI-driven predictive analytics seamlessly. This comprehensive solution offers tools for exploratory data analysis, robust machine learning capabilities to predict test outcomes, and sophisticated forecasting features to anticipate future samples and resource needs.

The AI Solution empowers labs to:

- **Conduct further analyses:** Univariate and multivariate to uncover deeper insights.
- **Use machine learning:** Anticipate test results or failures, enabling proactive planning, early issue identification, and optimized testing procedures.
- **Optimize resource allocation:** Forecast future sample volumes and associated resource requirements.

Key features of the AI Solution:

- **No-code, user-friendly interface:** Navigate and use powerful AI tools without the need for coding expertise.
- **AI predictions:** Leverage precise machine learning models for reliable forecasting.
- **Seamless integration:** Fully compatible with SampleManager LIMS and its data for a cohesive user experience.
- **Proactive lab management:** Use predictive analytics to enhance operational efficiency.

Unlock the value of your data

By integrating these powerful tools within SampleManager LIMS software, you can transform your lab's data into actionable intelligence, driving efficiency and insight. Whether you need to gain quick insights with the BI Solution or make predictive analysis with the AI Solution, SampleManager LIMS provides the clarity you need to take decisive action.

*Requires SampleManager LIMS software version 21.0 or above.



Ready to enhance your lab's decision-making capabilities?

Scan the QR code to contact us and learn how our data analytics solutions can transform your lab operations.

Learn more at thermofisher.com/dataanalytics