Quality controls

Thermo Scientific LabLink xL

Peer comparison tools

Thermo Scientific™ LabLink xL™ Quality Control (QC) Software offers several tools to provide real-time, peer-to-peer comparisons to help identify data trends and shifts sooner.

Comparing your data globally or within your own network can quickly help you determine if a worrisome result is a widespread issue or an acceptable value

Create customized peer groups to collaborate with a trusted network of peer labs to control testing variables
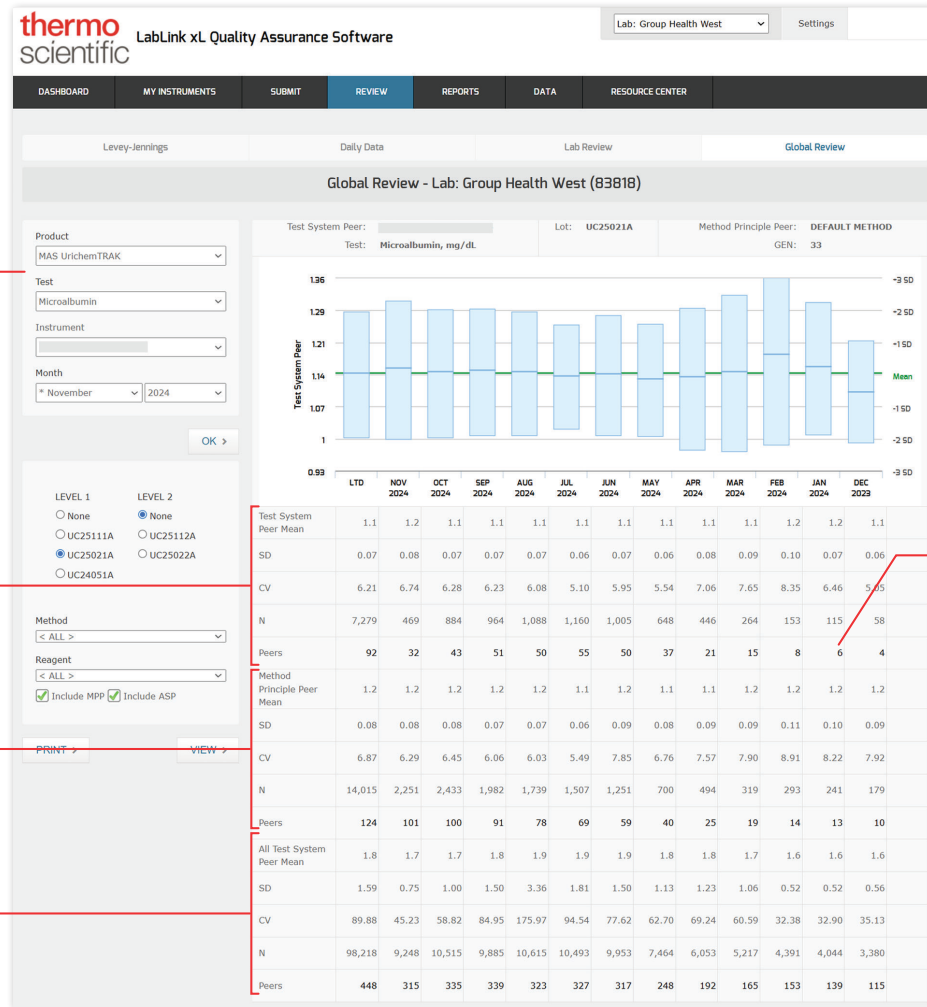
Leverage our extensive affiliate network to help achieve higher standards of accuracy and efficiency, ensuring optimal performance and compliance

Viewing peer comparison data

LabLink xL provides two methods for viewing peer data. The Review tab displays real-time visualizations of laboratory data—synchronized from sites all over the world. The Reports tab allows you to generate downloadable reports to save as a permanent record in the system for QC validation and documentation.

Global Review

Global Review, found under the Review tab, is useful as a troubleshooting tool since it provides access to peer data from the LabLink xL database. This feature also provides data to help assess the performance of new or alternative instruments or reagents. Customers with multiple lab sites around the world can use the Global Review snapshot to quickly view how a specific assay's testing compares with peers on a specific analyzer. Peer result comparisons are available even when testing is not in progress.
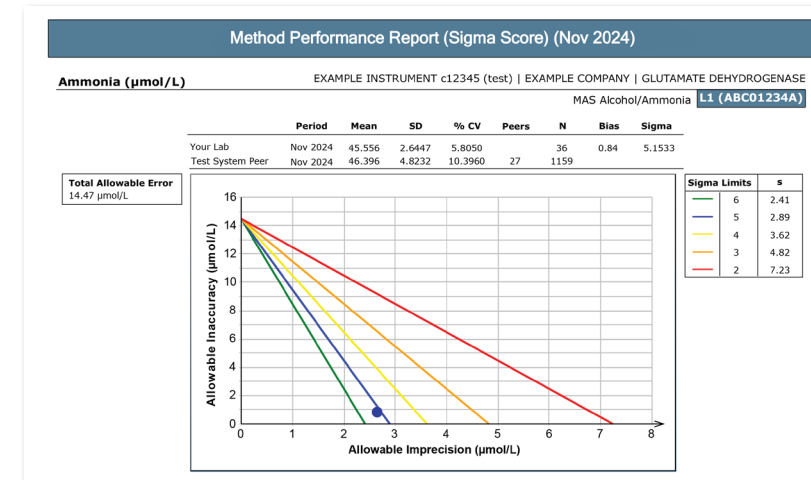
Set filters for data visualization

Peer group

- Same method, same instrument

- Same method, all instruments

- All methods, all instruments

Click to view peer repartition graph

Sample Global Review showing customers from multiple sites running Thermo Scientific™ MAS™ UrichemTRAK quality controls.

Method Performance Report (Sigma Score)

The Sigma Score peer comparison can be generated under the Reports tab. This method performance report gives a robustness assessment by identifying where the test falls in comparison to the Sigma Score. Sigma indicates how much your data varies from the total allowable error limit by calculating the number of standard deviations in a given test system. This report shows which instruments are performing the best for a particular method and test.

Sample Method Performance Report showing MAS alcohol/ammonia performance on an analyzer.

Measurement of Uncertainty Monthly Report

The measurement of uncertainty report is our newest algorithm implemented in LabLink xL in response to ISO-15189 guidelines. Customers can generate this on-demand report in the Reports tab to see the exact measurement of uncertainty.

Why check uncertainty measurements?
This extra information gives laboratory technicians confidence that their results are repeatable, accurate, and reportable.

Sample Measurement of Uncertainty Report showing a lab's measurement of uncertainty results for various analytes.

Affiliated Lab Report

The Affiliated Lab feature in LabLink xL allows laboratories to seamlessly connect and collaborate with affiliated labs within a network, facilitating efficient data sharing and streamlined workflows. This feature enhances coordination by providing real-time access to affiliated QC data in one place, ensuring consistency and compliance across all affiliated sites. By leveraging the Affiliated Lab feature, laboratories can achieve higher accuracy, regulatory compliance, and faster troubleshooting within their network.

Sample Affiliated Lab Report showing a comparison of data within an affiliate group by instrument and QC lot.

Secure and confidential

We take the security of your data seriously and implement multiple layers of protection to ensure it remains safe. All data is encrypted and password protected during data transfers. Long-term cloud storage is provided by AWS™, which complies with global data security standards and protects against unauthorized access and vulnerabilities.

Secure automatic data transfer

LabLink xL and Auto-Connectivity Software provide a fully automated QC data transfer solution from your instruments, laboratory information system (LIS), or middleware.

- QC results automatically upload to the software, instantly saving you time and providing error-free data submission

- LabLink xL only receives QC data transfers, so you can be confident patient data never leaves your lab

- Transfers are password protected and use SSL encryption to ensure your data is secure

Multi-factor authentication

Recognizing the importance of data security, LabLink xL offers multi-factor authentication as an optional feature.

- Multi-factor authentication adds an extra layer of security by requiring multiple forms of verification to login, making it harder for unauthorized users to access your data

- This feature can be enabled in a few simple steps. See your product manual for instructions

Learn more at **thermofisher.com/maslablink**

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