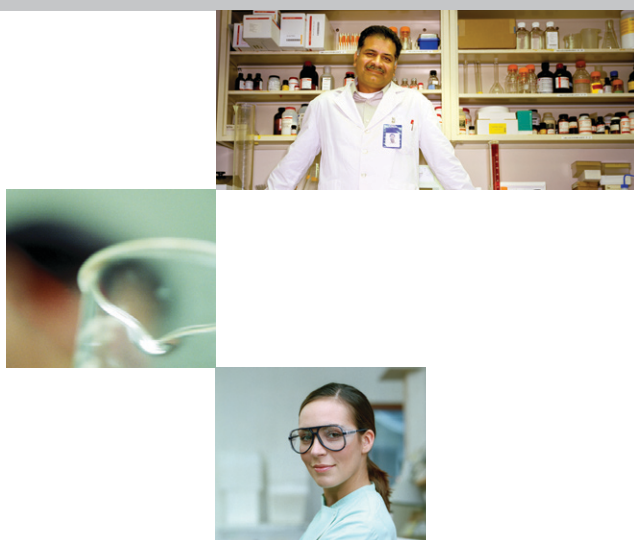


Count on Thermo Scientific Watson LIMS, a highly specialized, protocol-driven software application, to support drug metabolism and pharmacokinetic (DMPK) studies in drug discovery and development.

Thermo Scientific Watson LIMS™

LIMS for Bioanalytical Laboratories



Watson LIMS analyzes calibration curves from standards and back-calculates concentrations for QCs and unknowns. Configurable parameter flags alert the user to acceptability criteria. Color-coding enhances visual inspection of results.

Challenge

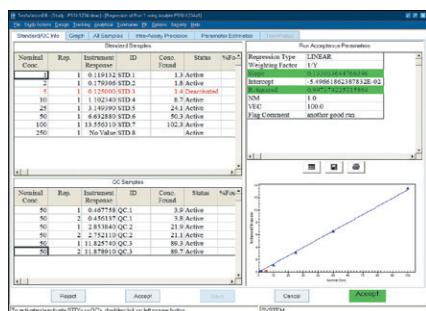
Bioanalysis is an integral part of clinical and pre-clinical drug development. Efficient assay validation, bioanalysis of samples, instrument interfacing, sample tracking, and reporting of results are key steps in progressing a compound through R&D activities and into regulatory submission.

Facing constant pressures to decrease costs while optimizing efficiency, pharmaceutical companies and contract research organizations (CROs) alike require a Laboratory Information Management System (LIMS) solution that meets the specific needs of the broad range of studies performed. Generic LIMS require costly customizations to meet the workflow, functionality and regulatory requirements of these labs and involve complex validation and upgrades.

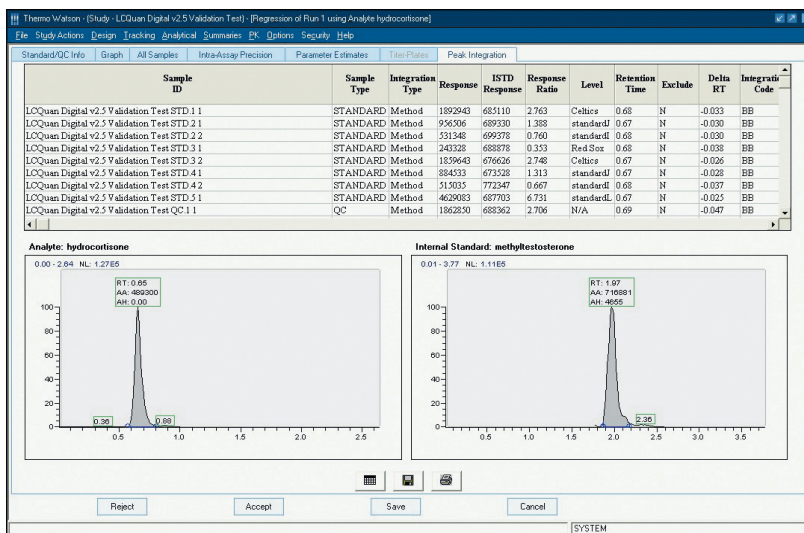
Count on Thermo Scientific

Watson LIMS is a proven, purpose-built solution specifically designed for bioanalytical testing. With minimal configuration required, implementation, validation and upgrades are much faster than with a generic LIMS and companies can benefit from immediate efficiency gains.

Watson includes key functionality specific to the bioanalytical laboratory, including flexible protocol-based study design, assay/method standardization and management, integrated sample tracking and a configurable reassay decision tree. Watson includes more than 70 built-in interfaces to LC/MS, HPLC, ELISA, RIA, ICP/MS, multiplex and other instruments. It also supports a wide range of pharmacokinetic/toxicokinetic calculations. In addition, Watson's simple, point and click



WATSON LIMS



The advanced, bi-directional digital interface between Watson and LQUAN, the data acquisition system for the Thermo Scientific TSQ Quantum mass spectrometer series, enables the secure transfer of worklist information and results data, together with integrated peak viewing in Watson.

graphical interface ensures users can get up to speed quickly and begin using the LIMS with minimal training.

Improve Laboratory Efficiency

Designed to fit the bioanalytical workflow, Watson enables accelerated sample turnaround in DMPK laboratories, thereby reducing costs associated with sample management. Watson tracks shipments and sample storage and allows users to design barcoded labels. In addition, Watson includes more than 150 pre-configured reports as well as ad-hoc reporting capabilities, facilitating data review and analysis. The system organizes study results in a unique document management system, allowing fast and efficient retrieval of data and the creation of consistent final reports.

Importantly, 18 of the top 20 pharmaceutical companies and many of the world's leading CROs and biotech companies have selected Watson for their labs, more than any other solution. As the acknowledged standard for bioanalytical LIMS, Watson facilitates efficient study design and data transfer between researchers, enabling them to benefit from improved operational efficiency.

Standardize Assays

Watson has an add-on module for determining immune response by ELISA and radioimmunoprecipitation bioanalysis and features three types of assay: screening, spike-out and titer. This module offers a standardized way to design, calculate and report anti-drug antibody assays within a GLP and 21 CFR Part 11 compliant system.

Ensure Compliance

Developed with regulatory compliance in mind, Watson enables companies to comply with GLP and 21 CFR Part 11 regulations in a

cost effective manner. Security features ensure data integrity while access is controlled via roles and responsibilities. Audit trails track changes throughout, maintaining a record and making reporting to regulatory authorities easier.

Partnering with Thermo Fisher Scientific

Thermo Fisher Scientific is the worldwide leader in laboratory software and services, providing enterprise-wide, multi-laboratory solutions that are relied on at 19 of the top 20 global pharmaceutical companies. To support our Thermo Scientific installations, we provide implementation, validation, training, maintenance and support from the industry's largest worldwide informatics services network.

Watson is part of our comprehensive portfolio of Thermo Scientific software solutions for pharmaceutical, biotech and CRO organizations, including Galileo LIMS™ for in vitro ADME studies in early stage discovery and development; Nautilus LIMS™ for discovery and R&D, particularly in biotechnology; Darwin LIMS™, our latest for pharmaceutical QA/QC; Atlas CDS™, an enterprise chromatography data system that tightly integrates with LIMS; Enterprise Pharmacology (EP) Series™ and Kinetic™ analytical database tools for pharmacokinetics and pharmacodynamics; and GRAMS spectroscopy analysis software.

For More Information

Visit us on the web at www.thermo.com/informatics or call +1 866-463-6522 (US) or +44 161 942 3000 (Intl).