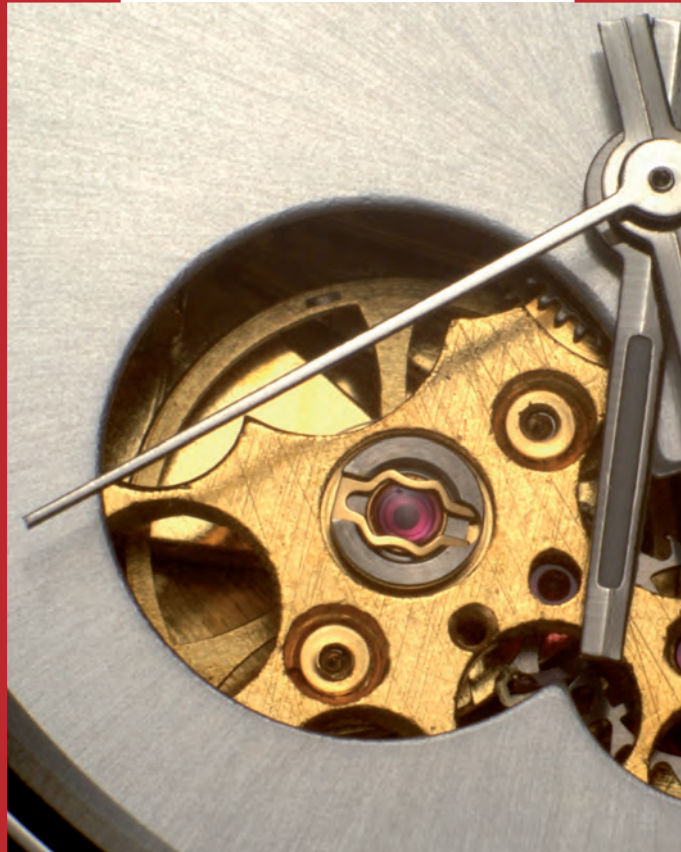


As reliable as Swiss clockwork



[X/Lab®]

The Software for
clinical Chemistry

As reliable as Swiss clockwork

[X/Lab®]

The Software for clinical Chemistry

[X /Lab®] manages your laboratory data from clinical chemistry, hematology, serology, hormone diagnostics, and hemostasis simply and efficiently – as reliable as Swiss clockwork.


[X/Lab®] is an innovative software for laboratory data management. It is an essential part in optimizing sequences in a laboratory setting. The program enables rapid and reliable data collection and processes large volumes of data at a highly automated rate. Additionally, it is possible to choose flexible parameters for control and analysis depending on individual need.

Due to its modular structure [X/Lab®] adapts to your organization and methods of operation. This allows it to be used effectively in operations of all size. The multi-lab-function allows efficient work extending across multiple locations.

From anamnesis to billing, [X/Lab®] supports the complete workload of laboratories. Modules include all functions for efficient handling and control of laboratory processes:

- Communication with external systems
- Linking laboratories and clearing
- Data compilation of master data and orders
- Probe management
- List functions
- Measurement readings
- Equipment linkages
- Plausibility control
- Validation
- Report query and output
- Quality control
- Laboratory-management and process-automation
- Billing
- Statistics
- Cost-benefit computing

[X /Lab®] at a glance

- 
- Efficient support of laboratory routine
 - Close practical proximity and countless functions to improve laboratory function
 - Intuitive user-friendly handling
 - Rapid data processing and output
 - Modular design for organizations of all forms and sizes
 - Support and simplification of laboratory automation
 - Linking separated laboratories
 - Multi-subscriber options through proven multi-lab-function
 - Reliable quality control
 - Flexible and individual report output
 - Hardware neutral architecture

- controlling
- transparency
- optimizing

Order entry

[X/Lab®] allows efficient laboratory order entry. Either manually, through document readers, online transfers from ward-systems, from external senders or through the web-browser, using [i/med®] Info. You can select a priority order – for the entire order, or for individual parameters.

Probe management

Order and sample entry are not always submitted at the same time. For this reason [X/Lab®] offers an extensive sample-management, comprised of sample-entry and primary container control, test tube approval, blocking missing test tubes and order cancellation if sample is not received in a definable timeframe. The sender is informed about sample entry, status or cancellations at all times.

Plausibility control and report notification

The plausibility control guards you from erroneous reports and/or report mix-ups by using flexible barrier-criteria-matrixes. In doing so these control mechanisms work together: threshold, stored values, and report controls, definitions of veterinary medical border values, referral and normative-area-breaks markings and delta-checks. There are multiple options for sender/receiver report feedback: report printing in the lab or on the ward to online transfers and even fax or e-mail (encrypted) – including report indicators through text message.

Validation

Validation is a two-step process in [X/Lab®]. Release of information can be setup through different criteria – as technical and medicinal validation, in cooperation with plausibility control (automatic or manually) as well as order related instant release.

Quality control

The extensive and flexible quality control offered in [X/Lab®] fulfils all guidelines and expectations. It includes the following functions:

- Integrated quality control-monitor for real-time monitoring of running controls
- Pre-defined, expandable and adaptable specifications for indicators
- Definitions for control materials, -probes and –methods.
- Operation indicators from the manufacturer
- Extensive quality control-rules
- Flexible block characteristics for control material, work place and batches
- Layer definitions
- Extensive batch management
- Long term archiving
- Individual layout of control cards
- Graphical curve progression
- Westgard, QUALAB

Process-automating

The user-friendly expert system lets you define rules and actions in order to automate lab processes. By linking multiple requirements laboratory actions can be greatly improved. This saves time and money.

Architecture

[X/Lab®] is hardware and manufacturer-neutral. It is based on either the UNIX operating system (all prevalent derivatives) or LINUX. All common database systems can be used to store data.

DORNER – Your specialist for IT-Solutions in Health-IT.

Get to know DORNER's complete product portfolio. Wherever data is generated, managed, prepared, and communicated in the health care sector DORNER offers the efficient solution. Individually adjusted and modularly combinable.

For medical specialist laboratories and clinical laboratories:

- Rule based control of lab routine and equipment
- Point of care diagnostics
- Integration of providing laboratories
- Integration of internal and external senders
- Cost analysis
- DRG optimizing

For sports medicinal and rehab facilities, ambulatory health care center, clinic and doctor networks:

- Web-based calendar management and resource management with Outlook-integration
- Word-based doctor's note writing and report creation
- Planning, organization and documentation of diagnostic performances
- Diagnosis- and treatment-documentation following ICD and OPS
- Document management

Additional functions:

- Automated private, mass and health-insurance provider billing
- Automated payment entry and dunning process
- Management information system based on OLAP
- System and sector transcending electronic patient data
- Web-portal for patients and doctors
- Revision-safe-system of rules for automating and standardizing course of events/treatment paths
- Freely configurable report-generator, with dynamic connections of all kinds of reports and documents (text, pictures, clips, curves, interpretations, etc.)

For further information please visit www.dorner.de