

Feature Overview

As of October 2025



Sample management

- Customise sample list (filter, sort, group, save different views)
- Create single samples or multiple samples simultaneously
- Create sub-samples
- Assign automatic or manual sample numbers (optionally with authorisation)
- Define sample properties (sample type, quantity, processor, storage location, etc.)
- Add sample to existing order
- Duplicate existing samples (optionally with partial samples)
- Assign storage location manually or automatically
- Extend sample mask with user-defined fields as required (data formats: numeric, text, catalogue, file, etc.)
- Assign and differentiate test objectives/test plans (reduction of unnecessary methods/parameters)
- Separate audit trail for easy traceability
- Discard and hide samples

Order management

- Customise order list (filter, sort, group, save different views)
- Add user-defined fields to the order form as required (data formats: numeric, text, catalogue, file, etc.)
- Create order including properties
- Assign client
- Define priority (normal/high/urgent)
- Overview of assigned samples
- Duplicate existing orders (optionally with assigned samples)
- Automatic status (new / in progress / completed)
- Report generation after completion of all assigned tests using your own templates (Word/Excel etc.)

Patient management

- Easily enter and manage patient data
- Customise patient list
(filter, sort, group, save different views)
- Add user-defined fields to the patient mask as required
(data formats: numeric, text, catalogue, file, etc.)
- Define editing and viewing rights for personal data
- Easy assignment to orders/samples (by name, ID, maiden name or date of birth)
- *Coming soon:* Anonymise patients or delete personal data

Batch analyses

- Assign samples to a batch
- Configure plate size and allocation
- Automatic sample placement
- Export plate occupancy for device control and analysis
- Import test results for entire plate
- Apply values to all other positions as required (for manual entry)
- Perform checks and approvals individually or by plate

Consumables

- Customise the consumables list
(filter, sort, group, save different views)
- Add user-defined fields to the consumables mask if required (data formats: numeric, text, catalogue, file, etc.)
- Add new batches and quantities
- Automatic inventory with total quantity

Experimental procedure

- Overview of required consumables including planned quantities
- Use step-by-step instructions
 - Create instructions for the individual work steps
(formattable text including optional integration of photos and videos)
 - Record measurement parameters and result values
 - If necessary, set limit values for parameters and receive direct feedback when these are exceeded or not reached
 - Add free parameters (for individual tests)
 - Select usable devices manually or by scanning
(direct integration if required)
 - Select quantity and batches of consumables
(traceability and inventory management)
 - Finally, obtain a summary of all entered data
 - Check and approve (dual control principle)

- Direct compact entry of parameters as an alternative to step-by-step instructions
- Use special mode Flexible execution
 - Methods and parameters can be added or deleted after the test has started
 - Special mode can be selected for each sample
 - Checking and approval are optional and can be skipped

Clients

- Create persons and organisations
- Link contact details
- If necessary, expand the client mask with user-defined fields for additional customer information (data formats: numeric, text, catalogue, file, etc.)

Devices

- Customise the device list
(filter, sort, group, save different views)
- Expand device mask with user-defined fields as required
(data formats: numeric, text, catalogue, file, etc.)
- Select status (ready, restricted, not ready)
- Connect devices via REST / SiLA2 / OPC-UA (LADS)
- Monitor reference measurements in control chart

Methods & test plans

- Customise method list
(filter, sort, group, save different views)
- Extend method mask with user-defined fields as required
(data formats: numeric, text, catalogue, file, etc.)
- Configure method instructions for performing the examination
- Use versioning
- Bundle multiple methods with test plans
- Restrict to suitable sample types if necessary

Storage management

- Customise the storage location list
(filter, sort, group, save different views)
- Add user-defined fields to the storage location mask if required
(data formats: numeric, text, catalogue, file, etc.)
- Create storage levels (compartments/boxes)
- Restrict to preferred sample types/studies
- Define capacities
- Conveniently display total storage location capacity in an overview list
- Store samples from the storage location via list selection or barcode scan

- Display sample details at the storage location

Sample types

- Freely create sample types
- Link to storage locations, test objectives/test plans, etc.
- Sample type-specific properties (work in progress)

Parameters

- Customise parameter list
(filter, sort, group, save different views)
- Extend parameter mask with user-defined fields as required
(data formats: numeric, text, catalogue, file, etc.)
- Use data types and units as required
- Automatically calculate parameter values

User-defined catalogues

- If required, easily create your own drop-down content
- Use in all individual views and as parameters if required

System settings

- Freely define number formats for orders, samples, batches
(also using custom properties)
- Easily add subject-specific base sizes and units
- Manage user accounts (contact details, one or more roles, profile picture, user-defined content)
- Define any roles and associated permissions in fine detail
- Manage central list views per role and display them uniformly for all corresponding users
- Manage report templates

Do you have any questions or would you like to learn more about SAMPLES?



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