

MAGELLAN 4.0

GETTING STARTED

MAIN FEATURES

Ease of Use

Changed structure - only sample, method and workspace files (test file removed)
Improved measurement status dialog with plate view
New data view with splitter window and tree control
Customizable graph display
Complete rework of wizards and dialogs

Regulated Environment ('Magellan Tracker': features to support FDA 21 CFR part 11 regulations)

Advanced user administration (customizable groups and user rights, password restrictions, auto-lock)
Audit trail for all files (full traceability of all changes including user information and previous data)
Electronic signatures for methods and workspaces (review, approval, custom)

Instrument Support

Ultra Evolution
Connect stacker system: Run multiple endpoint measurements

Miscellaneous

Import custom format sample id lists

CHANGES MAGELLAN 3.11 -> MAGELLAN 4.0

easyWIN-Support

removed in Magellan 4.00

Supported Instruments

Ultra Evolution
Ultra 384
Ultra
GENios Pro
GENios
GENios FL
GENios Plus
SAFIRE
SPECTRAFluor
SPECTRAFluor Plus
FARCyte
SUNRISE
(removed: Polarion, Spectra)

Connect (without barcode and kinetic)

Options

All options for automated data handling, export, ASCII-export, Excel-export and workspace name are now method-dependent and have to be set in the method definition (previously part of the global settings).

Global options contain only: default paths, display settings (colors), copy (&paste) to clipboard & excel, miscellaneous
Demo mode can be disabled in the miscellaneous tab (administrators may always use demo mode). The demo mode setting in the RdrOle4 has no influence on Magellan anymore.

Files

The default file path has been changed. Files are now stored in '...\All Users\Documents\Tecan\Magellan'. This is the Microsoft default path.

Files from Magellan 2.x and 3.x cannot be opened directly in Magellan 4.0 and must not be (manually) copied to the new paths! Old files have to be imported using 'Convert From...' (file menu)

The test file has been completely removed. All settings of a test have been moved to the method. An empty workspace cannot be create anymore with 'File-New' (a measurement is started by creating or opening a method and starting it with the 'Go'-button)

It is not possible to overwrite existing files. When using 'Save As', a new filename must be used. File lists in wizard have now a filter option ('Show only files my files' ...)

Measurement Type / Parameters

Before defining the measurement parameters, the user has to choose a measurement type (endpoint, kinetic or multilabeling). Strip methods also use this measurement type/parameters.

Layout, Transformations, Concentrations

... are now defined separately (in wizard). Dilutions (different dilution for replicates) can now easily be entered with plate view.

Standard Curve

Mixed layouts (quantitative and qualitative) can now easily be created with the option ('No standard curve'). Lin/Log Scaling has now been splitted into calculation and display settings (typically the same). The graph display and properties have been improved.

Printed Report

The report items are shown in a tree and can be added by drag & drop

Data Export

The data export items are shown in a tree and can be added by drag & drop
The export options (format, ASCII, Excel) have to be explicitly defined.
Default options (for new methods) can be set.

Automated Data Handling

The import of sample ID lists has been improved (custom path, filename and format possible)
New option: View results after measurement
Multiple measurements can be done by adding a method to the favorites. If results are just saved but not (re)viewed, each measurement just needs two mouse clicks.
User has the possibility to view multiple data at the same time in the plate view (e.g. sample id, concentration and cutoffs)

Constants

Constants are now defined in the transformation, cutoff and validation dialog.

Start Measurement

All needed information is collected in one screen. Measurement parameters, concentrations and layout may be modified before running the method. Modify layout is now possible with drag & drop. If a sample ID list has been loaded, modify layout isn't possible.
A 'Connect' stacker system can be used for endpoint measurements.

Measurement Status

Completely new layout. Detailed information and kinetic graph available.

Change Evaluation

The complete evaluation definition can now be modified after the measurement. This is only possible in the wizard with 'Edit currently loaded method' (the method file itself isn't changed!)

Error Handling

All errors are stored in the error protocol of the workspace and can be viewed afterwards. Magellan generates more errors (e.g. when a formula cannot be calculated because of masking data)

User Administration

Only possible with wizard.



The default settings of guest, user and supervisor have slightly changed (see detailed list of user rights in help/documentation)

History, password protected workspaces and supervisor methods are no longer available in the standard version of Magellan.

MAGELLAN TRACKER 4.0

General

Magellan Tracker 4.0 ensures full traceability of all data. Therefore all data files must be under exclusive control of Magellan. Magellan Tracker 4.0 stores all files in the default directories, which are created with special operating system rights during installation (e.g. to ensure that files cannot be deleted with the windows explorer). This also requires, that standard users do not have administrator privileges on this operating system.

User Administration

A lot of new options have been added. The rights of default groups (supervisor, user, guest) can now be modified and new groups can be added. The user must be aware of the risks when modifying the default rights! Typical modifications may be a new type for a reviewer (e.g. a standard user with the additional right to sign records).

Audit Trail

Any modification of sample ID lists, methods, workspaces, standard curve files, plate definition files, user administration settings or general options will be logged and are traceable. Therefore files contain a version number (e.g. 'method1#1.mth'). The content (print preview) of each file can be viewed in the audit trail dialog.

Any manual modification of files (e.g. copy, delete, rename files with the windows explorer) is strictly forbidden! Magellan will detect any modification. Magellan Tracker files can be read by the standard version of Magellan ('#1' in the filename should be removed) but not vice versa ('Convert From...' dialog has to be used).

Remark: When converting files from Magellan 4.0 to Magellan Tracker 4.0, the corresponding instrument must be connected!

Signature

Methods and workspaces can be signed. Signed methods and workspaces can only be modified by the supervisor (by default). The guest must not run unsigned methods. A signature is equivalent to a handwritten signature and is legally binding (according 21 CFR part 11). The login is also a signature.

INSTALLATION

General

Magellan 4.0 and Magellan Tracker 4.0 (or any previous version of Magellan) can not be parallel installed on one PC/operating system. If the PC has multiple operating systems installed (e.g. on different hard discs), different versions of Magellan can be installed. Anyway this requires valid licenses for both versions.

Install Magellan 4.0

Installation is principally straight forward. Before installing Magellan, any previous versions of Magellan should be uninstalled. If Magellan detects data files (sample ids, methods, workspaces, ...) from a previous installation of Magellan (Tracker) 4.0, those are saved in a backup folder and Magellan will create new folders containing only sample data files. This is done to ensure correct installation. Any additional files must be copied/converted manually.

Upgrade Magellan 3.xx -> Magellan 4.0

Upgrading should basically be done like a standard installation. Afterwards existing data files must be converted from Magellan 3.xx to Magellan 4.0. Therefore it is only necessary to start Magellan and choose 'Convert from...' in the file menu. Just specify the source path of the Magellan 3.11 data files (typically "\Program Files\Tecan\Magellan2\mth") and start conversion. There should be no need to manually copy files.

Uninstall Magellan 4.0

Uninstall will remove Magellan and optionally all other components (e.g. RdrOle ...). When Magellan is uninstalled completely, also user administration files are deleted. This is necessary when users forget their administrator passwords.