

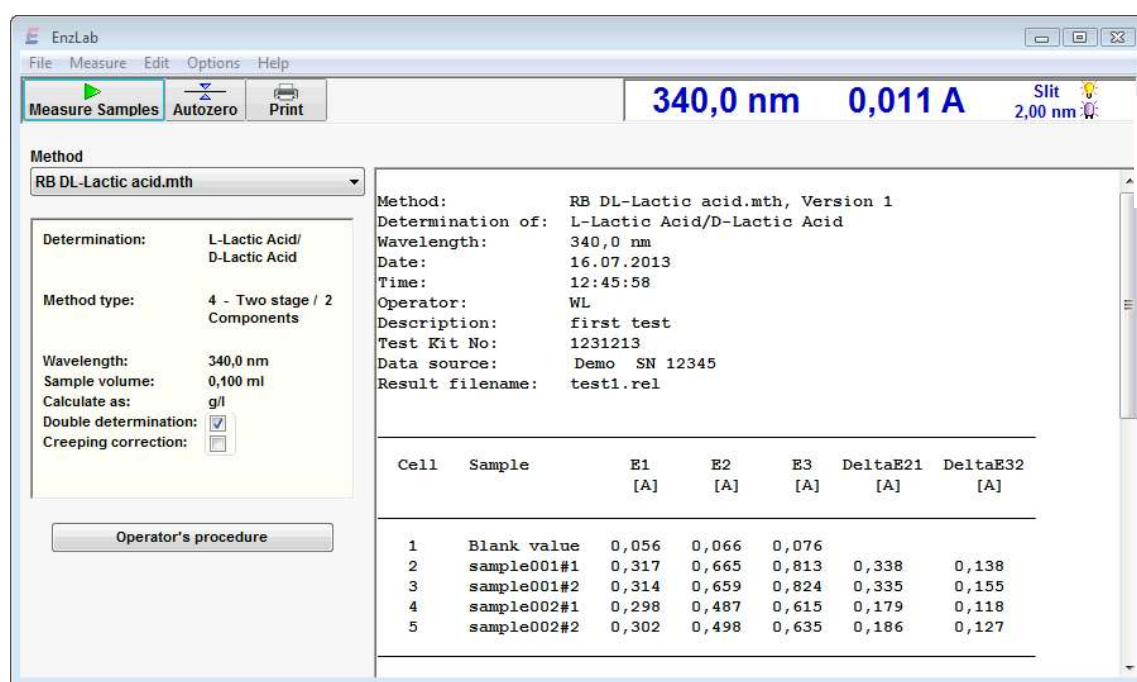
EnzLab Software

Your Software Assistant for Enzymatic Food Analysis

The EnzLab software package is a program tailored to the procedures of enzymatic food analysis with reagent kits. With a standard laboratory spectrometer, EnzLab automates and substantially facilitates enzymatic determinations: It ensures safe data transfer and correct calculations and it provides appropriate analytical reports.

Thus an EnzLab system fulfills the requirements for the modern, controlled laboratory and at the same time increases the sample throughput.

- ✓ Predefined methods and operation procedures for r-biopharm® and Enzytec® standard enzymatic test kits
- ✓ Documentation of measurement with operator name, test kit no., etc.
- ✓ Entry of sample volume, dilution, weight and description for each sample
- ✓ Automatic calculation with optional double determinations and creeping correction
- ✓ Fully documented report with raw data, sample information and final results



EnzLab main window

The user also has extensive options to adapt methods and reports to his specific requirements. It is also possible to reevaluate stored raw data.

With the new version 5.0, the software has become even more flexible: amongst other things, the ascانى Reporter-SPX software can be applied to fully customize reports.

EnzLab online Spectrometer Version: The UV/Vis-Spectrometer Automation

The EnzLab online spectrometer version communicates with a PerkinElmer UV/Vis spectrometer of the Lambda 25 series or a Thermo Scientific GENESYS 10S or Evolution 200 spectrometer to

- Set up measurement conditions,
- Automatically transfer required absorbance data at the necessary time points.

Thus measurement and evaluations are performed automatically and typical errors of data transfer and calculations are avoided. With a cell changer installed, several samples can be run at a time.

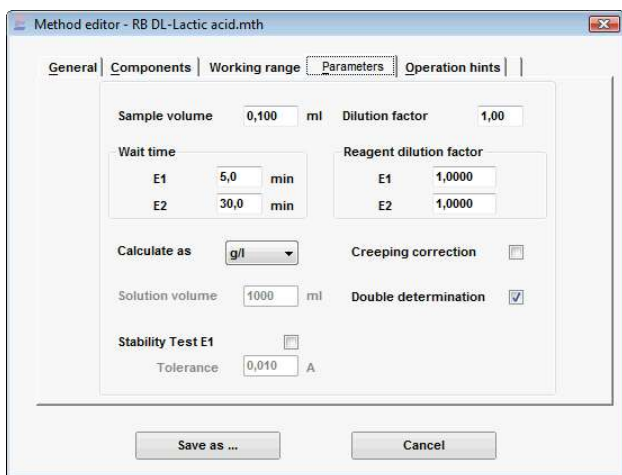
This is especially powerful with the Lambda 13-position cell changer. With multiple installations of EnzLab, also different tests can be run in parallel.

EnzLab SE: The Security Edition

The EnzLab SE version satisfies the extended FDA requirements in terms of data security and traceability following 12 CR Part 11 definitions. Thus the version is designated for use in pharmaceutical laboratories.

EnzLab manual: The Economical Solution

The EnzLab manual version offers the same functions and convenience of use as the online version, but it only takes manually entered readings from stand-alone spectrometers/photometers. This is done with a table configured according to the measurement or alternatively with input prompts at the appropriate time points. Updating to an automated system is easily possible.



EnzLab Sample Definition Window

The **EnzLab runtime window** shows all cells in a table, which are required for the specific test and the number of samples. With a cell changer this table is used for positioning the cells into the holder. During the analysis, **EnzLab** counts down the time until the next measurement, performs the measurement automatically and enters the readings to the table. Thereafter the system will prompt the user for the next working step.

With **EnzLab manual** with time control, the entry of readings is prompted (see right). Alternatively entry of readings into a comprehensive table is offered.

Method: RB DL-Lactic acid.mth, Version 1
 Determination of: L-Lactic Acid/D-Lactic Acid
 Wavelength: 340,0 nm
 Date: 16.07.2013
 Time: 12:45:58
 Operator: WL
 Description: First test
 Test Kit No: 1231213
 Data source: Lambda Demo SN 12345
 Result filename: test1.rel

Cell	Sample	E1 [A]	E2 [A]	E3 [A]	DeltaE21 [A]	DeltaE32 [A]
1	Blank value	0,056	0,066	0,076		
2	sample001#1	0,317	0,665	0,813	0,338	0,138
3	sample001#2	0,314	0,659	0,824	0,335	0,155
4	sample002#1	0,298	0,487	0,615	0,179	0,118
5	sample002#2	0,302	0,498	0,635	0,186	0,127

Sample Name	Sample volume [ml]	Dilution Factor	Component	Result [g/l]
sample001#1	0,100	1,00	L-Lactic Acid	0,045
			D-Lactic Acid	0,108
sample001#2	0,200	2,00	L-Lactic Acid	0,050
			D-Lactic Acid	0,107
			Mean value L-Lactic Acid	0,047
			Mean value D-Lactic Acid	0,108
sample002#1	0,100	1,00	L-Lactic Acid	0,038
			D-Lactic Acid	0,057
sample002#2	0,200	2,00	L-Lactic Acid	0,041
			D-Lactic Acid	0,060
			Mean value L-Lactic Acid	0,040
			Mean value D-Lactic Acid	0,058

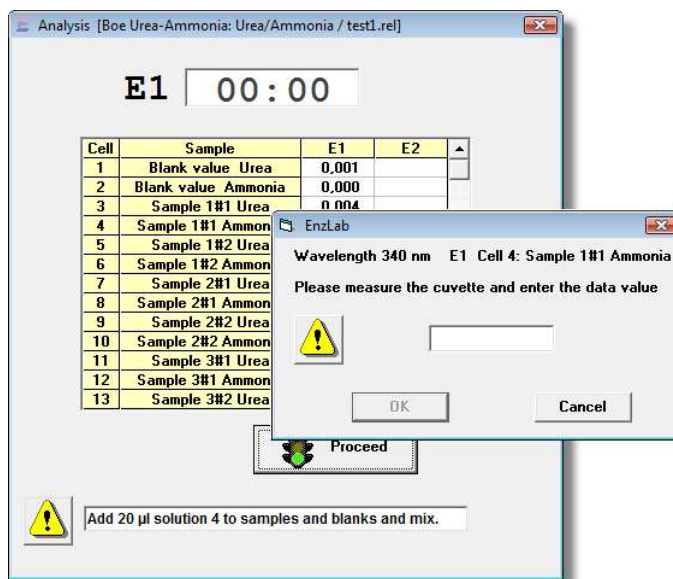
EnzLab report for D-/L-Lactic Acid

ascanis provides and supports applications software for instrumental analysis. Please contact ascanis for dedicated solutions. EnzLPÜ915a

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 Germany

The **EnzLab method editor** allows modifying existing methods and creating new methods. Besides basic settings like measurement wavelength, analytical factor and measurement times, further selections and definitions can be done, e.g.:

- component names and working ranges,
- concentration units of results,
- working range for each component,
- automated creeping measurement/correction,
- test for E1 stability,
- operation hints for each operation step and documents related to the analysis, like material safety data sheets. Each method is saved as a file.



EnzLab runtime window (manual mode)

The **EnzLab analytical report** includes the sample documentation, readings and results. Samples with concentrations exceeding the defined working range, with absorbance differences below the minimum setting or with an inconsistent creeping reaction are designated accordingly. Both header and footer of the report are user-configurable, as well as the font size and the printout footnote.

EnzLab reports can be printed and can be stored. By configuration, results can also be recalculated with modified parameters. Stored reports can be recalled with the software. The reports are readable by other processing programs (not **EnzLab SE**). With EnzLab SE result and method files are coded and protected via checksum.

System requirements: PC with Windows Vista/7/8/8.1, RS-232, resp. USB-port with adapter, CD drive.

EnzLab is compatible to the PerkinElmer® spectrometers of the Lambda 25 series. EnzLab is compatible to the Thermo Scientific® UV/Vis spectrophotometers Evolution 2xx/300, GENESYS 6/10(S), Spectronic 200 and various older spectrometer models.

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