

Installation USB

Background

For the regular use of the “Reference Limit Estimator” (RLE) we recommend the installation of R and the RLE on a powerful personal computer or server (see “Introduction and Installation” of the help system). Sometimes the user does not have the rights for installation of software on the computer or need a mobile installation of the programs. For this purpose we recommend the installation of both R and RLE on an USB-stick. The estimation of reference limits will take a little bit longer.

This description of the USB-version is written for Windows 10 but should work with older windows version too.

The user need to create his own USB-installation or may contact the core developer team.

Installation of R on USB-Stick

You should download the actual stable release of R from secure servers (<https://www.r-project.org/>) as described in the general help file “Introduction and Installation”. The R base file is needed, e.g. the ‘R-4.3.1-win.exe’ with about 80 MB.

Please start the setup program by double-click on the downloaded file. The installation process will start and the user is asked to select the destination location:

E:\R-4.3.1

and click ,Next‘.

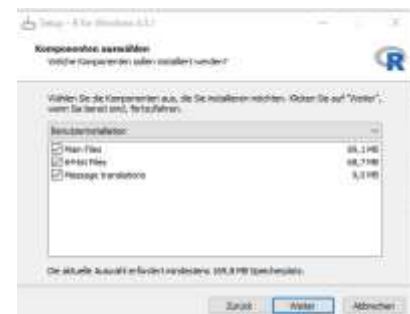
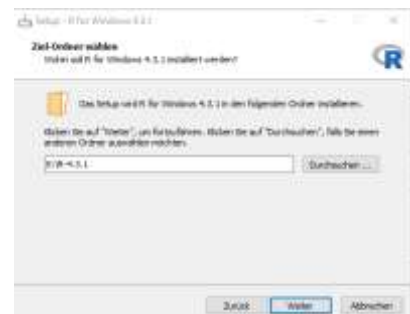
The files can be installed on the system. The 32Bit systems are no more supported by R-Project.

In the window „Startup options – Do you want to customize the startup options?“ please select ‘Yes’ and click ‘Next‘.

shortcut to the start menu or the desktop is undesired.

In the last window „Select Additional Tasks“ please deactivate all boxes and click ,Next‘.

Wait until the installation is finished.





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Installation additional R packages

For the RLE you need additional packages from R to install (for the complete list please refer to the help file "Introduction and Installation").

Start the Rgui.exe on the USB-stick (e.g. E:\R-4.3.1\bin) and install all packages needed. Select the cran mirror of your convenience and accept the dependent packages too. The installed packages you will find in the subdirectory \library (e.g. E:\R-4.3.1\library).

The USB installation is now finished.

Installation of RLE on USB-Stick

Please download the actual version of the 'Reference Limit Estimator' (RLE) from the website of the German Society of Clinical Chemistry and Laboratory Medicine (www.dgkl.de) or contact the core developer team.

Unzip the file into a subdirectory of the USB stick. We recommend the use of 'E:\RLE50'. All files and subdirectories will be created.

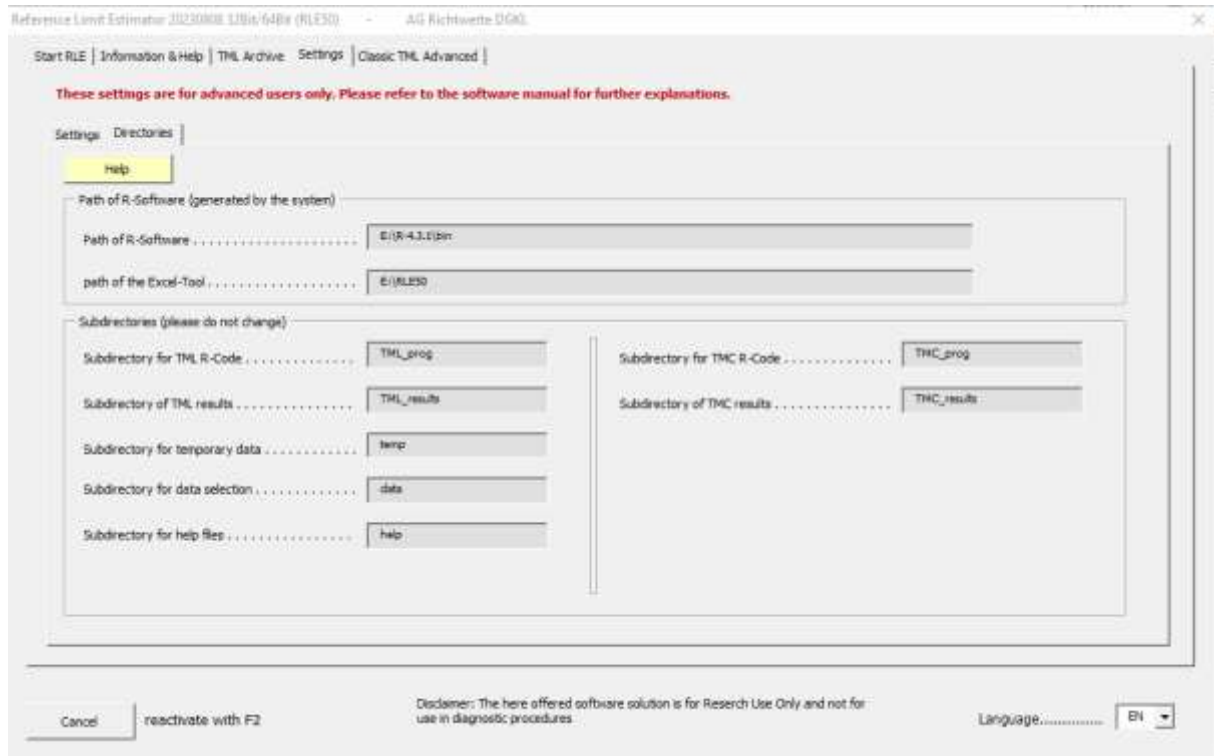
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Configuration of RLE on USB-Stick

The automatic configuration of the tool 'Reference Limit Estimator' works on USB too but the user need to configure the path to R individually.

Start the Excel file of the RLE (e.g.) E:\RLE50\Reference Limit Estimator_20230808_32Bit_64Bit.xlsm

Within the user form go to 'Settings' -> 'Directories'



Reference Limit Estimator 20230808 32Bit/64Bit (RLE50) - AG Richtwerte D-GG

Start RLE | Information & Help | TML Archive | Settings | Classic TML Advanced

These settings are for advanced users only. Please refer to the software manual for further explanations.

Settings: Directories

help

Path of R-Software (generated by the system)

Path of R-Software E:\R-4.3.1\bin

path of the Excel-Tool E:\RLE50

Subdirectories (please do not change)

Subdirectory for TML R-Code TML_prog

Subdirectory of TML results TML_results

Subdirectory for temporary data temp

Subdirectory for data selection data

Subdirectory for help files help

Subdirectory for TMC R-Code TMC_prog

Subdirectory of TMC results TMC_results

Cancel reactivate with F2

Disclaimer: The here offered software solution is for Research Use Only and not for use in diagnostic procedures.

Language..... EN

Change the 'path of R-software' to your personal path. After save and restart of the 'Reference Limit Estimator' this setting is stored for the next start.

Configuration of USB-RLE on another Computer

Unfortunately the drive number given by windows is different between the computers used. After insertion of the USB-stick you need to know the drive letter that is used on this computer. You need to change the drive in the Settings and afterwards the RLE will run.

Revision Level

05.2018	Version 0.1 (RLE 49 - 20180502)	Dr. Wolters
05.2018	Version 1.0 (RLE 49 – 20180511)	Dr. Wolters
09.2023	Version 1.1 (RLE 50 – 20230808)	Dr. Wolters