LC480 conversion is a program for the conversion of the raw data output of the LightCycler 480 into the input format of LinRegPCR. The LC480 exports one line per cycle and melting curve point for every well on the plate which can lead too as much as 75000 lines in the text file. With LC480 Conversion you can extract the information for the wells that you have used. The program identifies how many cycles you have run, extracts the cycle information per used well and exports the data to Excel in a one row per sample, one column per cycle format

FAQs

- **Why does the program want to change decimal commas into decimal points?**
  The program found that in the text file you got from the LightCycler the decimal separator was a comma, but that the Windows system on your computer uses decimal points. Because Excel will then interpret the comma as a thousand separator (converting 3,20 into 320, but 3,195 into 3195) the commas have to be replaced by points. However, when you have configured Excel to use decimal commas while Windows is using points you have to tell LC480Conversion NOT to convert commas to points. Becasue in that case the behaviour of LinRegPCR is not predictable, it is recommended to have Excel use the same decimal separator as Windows (in Excel: options menu - international Tab in the options dialog).
- **Q**
  A

Version History

LC480 conversion, version 2014.1 December 2014:

This version of the program gives a warning when the length of the experiment description in the first line of the LC480 export file is too long to be used as a sheet name in Excel. When this happens the user can edit the sheet name field on the Export-to-Excel page; the program shows how many characters are being used. The maximum sheet name length is 31 characters; some special characters, like & and $, are not allowed.

LC480 conversion, version 2.0 August 2012:

Added handling of more Prog#'s in one .txt file.

- Prog#'s associated with melting curves are ignored.
- Lowest Prog# is chosen as default.
- User can select Prog# to convert and extract.

Improved handling of resized 384 well design.

LC480 conversion, version 1.8 July 2012:

- The repair of last week (version 1.7) introduced another error. It should not have affected your analysis because it only gave a wrong, plateau heigth, value in the first cycle, which would never have been included in the data used for calculations.
- This error is corrected in this version.

LC480 conversion, version 1.7 July 2012:

- When no melting curve data were exported, the last cycle of the last well was not converted
- This problem is solved in this version

LC480 conversion, version 1.6 April 2011:

- Added check for installation of new version; version number is written to Windows Registry

- Corrected decimal separator error the could occur when comma is used as separator

LC480 conversion, version 1.5 July 2007:

- Added check for decimal separator in LC480 export and the one in use by Windows on the current computer

LC480 conversion, version 1.4 April 2007:

- Added option to select and deselect a rectangular range of wells

LC480 conversion, version 1.3:

- skipped to synchronize file numbers and version

LC480 conversion, version 1.2 March 2007:

- Solved problem with handling of 96 wells plates

LC480 conversion, version 1.1 Dec 2006:

- Implemented handling of LC480 export files without melting curves

LC480 conversion, version 1.0 Sept 2006:

- First release

Latest update of this page: 5-5-2008