RELEASE NOTES

BioLight Studio Software
Patch 1.04.02_G

REQUIREMENTS

The following items are required for installing the patch:

- PerkinElmer LS 45/50/55 Spectrometer

  or

- PerkinElmer Lambda Platform Spectrometer with serial interface (L2-L45)
- Operating System: Windows 10, Windows 8, Windows 7, Windows Vista, Windows XP
- BLStudio Version 1.04.02

INSTALLATION

Download the patch file and unzip it to a folder on your computer or an USB stick. Copy the desired files into your BLStudio program directory (typically C:\Program Files (x86)\BL Studio). The files are independent, that is, depending on your requirements you can copy one, two or all files.(PELSSamplePrep is used for FL only, PELASamplePrep is used for UV only). Please note, that you will need Windows administrator rights to copy files into the program directory.
This patch file includes the previous patches 1.04.02_A to 1.04.02_E

CONTACTS

In case of queries while using this software please contact:

BioLight Luminescence Systems GmbH.

Contact: www.BioLight.com
Support: Support@BioLight.com

TABLE OF CHANGES

File	Description of Changes Implemented	Components Affected
BLDevelopment.exe (1.04.07)	Invalid characters in autogenerated result file names are replaced by "_" Enhanced function key definitions: Add user event (press reset button in options/shortcut keys dialogue to automatically define key) Dialogue can be started to add user event to audit trail manually. ResultFileName is determined on creation of the result, rather than on file save. Thus the ResultFileName is correctly displayed in the report now.	BLDevelopment, BLRoutine, BLValidation.
BLRoutine.exe (1.04.09)	Invalid characters in autogenerated result file names are replaced by "_" Internal name and GUID of a result was incorrectly updated AFTER the file has been saved. Event dialogue can be started to add user event to audit trail manually via function key. ResultFileName is determined on creation	No effects on other components

File	Description of Changes Implemented	Components Affected
	of the result, rather than on file save. Thus the ResultFileName is correctly displayed in the report now. Added load result entry in file menu In the save results dialogue invalid file names cause errors.	
BLValidation.exe (1.04.04)	Event dialogue can be started to add user event to audit trail manually via function key.	No effects on other components
BLAdministration.exe (1.04.04)	New login mode "Use verified Windows Login" to force a new login dialoque, whenever a BLStudio application is started. Added domain support for users: <username>@<domainname>	BLAdministration, BLDevelopment, BLRoutine, BLValidation.
BLCalculator.exe (1.04.03)	Added peak/FWHM function, needed for IQOQ.	No effects on other components
PELSSamplePrep.ocx (1.04.03)	BatchInfo was not updated when no samples/ references were measured. As result a batch info entered before starting a measurement was not displayed in the report.	**FL only:** used by sample page of BLDevelopment and BLRoutine, No effects on any Acquisition, Calculation, Report or Administration module
PELASamplePrep.ocx (1.04.03)	BatchInfo was not updated when no samples/ references were measured. As result a batch info entered before starting a measurement was not displayed in the report.	**UV only:** used by sample page of BLDevelopment and BLRoutine, No effects on any Acquisition, Calculation, Report or Administration module
DataCalc.ocx (1.04.05)	Added peak/FWHM function, Added button to select and display all steps, display all steps in report. By default the last calculation step resulting in a curve is selected and the corresponding curve is displayed. In all step dialogues the source curve is now displayed correctly. External global curves are loaded correctly Arithmetic formula is re-loaded correctly in AddStep dialogue Added D3toD2 calculation step to reduce 3D data to 2D curves Added option to display or hide each calculation step (also used in report) Added option to display or hide global variables and curves (also used in report)	No effects on any module except datacalc.ocx Version 1.04.05 required for new report to enable display of calculation steps.
StdReport.ocx (1.04.05)	Depending on the settings in the calculation module graphs display all calculation steps.	No effects on any module except StdReport.ocx