Release notes – VENUS FIVE

ML STAR:

The version 4.6.0.5313 will be released as "ML STAR VENUS five Software" (Biotech) and includes the following changes/new features:

Function	Description / Changes / New features
Phoenix	• Use of Phoenix 4.6.0.8060
General	• Support of Windows 10 64-bit operating system.
ML STAR Smart Steps	• Support of instrument status light
ML STAR Steps	• Support of instrument status light • New single steps Set Status Light and Status Light Progress • New single steps for VacuTube Channel (new Labware Handling Channel type)
ML STAR configuration	• Barcode settings: add 2D barcode types (default all disabled) • Instrument configuration: Status Light Progress (default Off) • Simulator configuration: - Autoload: configurable Not available/ 1D Reader / 2D Reader (default 1D Reader) - Labware Handling Channel type: add VacuTube Channel • Status Light (default Available)
Maintenance	• Support of instrument status light
Bugfixes	• Bug 5032 (SCR #1667): 96er TADM Head - Tips not ejected in Clean-Up Routine • Bug 6127 (SCR #1657): 5ml Tips not ejected in Clean-up routine • Bug 6130 (SCR #1660): Smart Step Aliquote - Wrong liquid following in connected container • Bug 6134 (SCR #1669): CO-RE 96 Head Move (Single Step) - Parameter out of range Error • Bug 6136 (SCR #1671): Wrong Dispense height in Exclude Error handling after TADM clot error

Phoenix:

Version 4.6.0.8060 has following changes / new features:

Function	Description / Changes / New features
General	• Support of Windows 10 64-bit operating system.
Editors	Hamilton Method Editor: • New Quick Start dialog when method editor is launched (also accessible anytime from the File Menu). System Deck Editor: • Changed layout of system deck editor panels • Integrated sequence positions grid and sequence sort options into sequence panel (as replacement for previously advanced dialog "Edit Positions") • New Function to delete duplicate sequence positions • Views not related to system deck editor are automatically hided whenever the system deck editor gets the focus • Changed visualization of Labware search results Labware Editor: • New labware editor with support for Multiflex Carrier definition • Configurable to use either the new Graphical Labware Editor (default) or the Legacy Labware Editor
General Steps	• File Open step: support of Microsoft Excel xlsx format
Power Steps	The following Power Steps are available: • Transfer Samples • Add Reagent • Serial Dilution • Replicates • Hit Picking
Custom Dialog Step	• New Template 'Hamilton'
Bugfixes	• Bug 9838: Scheduler - Max planned duration ignored • Bug 6138 (SCR 1673): users.cfg not signed error • Bug 6132 (SCR 1662): Memory allocation on Maintenance and Verification API
Pre-Requisite Installer	• Activation of .NET 3.5 feature (internet access required) and check for .NET 4.6.2 availability • Microsoft® SQL Server 2019 Express Edition CU13 (optional)