3.17 Version 4.5.0.5217

The version 4.5.0.5217 was released as two different products: "ML STAR VENUS four Software" (Biotech) and "ML STAR IVD Software". The version includes the following changes/new features:

Function	Description / Changes / New features
Phoenix	• Use of Phoenix 4.5.0.7977
Firmware	• See [3] and [4]
General	• Support of Windows 7 and Windows 10 operating systems.
ML STAR Smart Steps	• Option for customizable error handling • Option for sequence merging within Pipette Smart Steps
ML STAR Easy Steps	• Implemented SCR 1593: Improper Aspiration (Error Recovery - Waste)
ML STAR Steps	• AutoLys Steps error recovery with option to release gripped AutoLys Tubes (user intervention required). • Implemented SCR 1598: Tube Twister Channel - Labware Exist Dialog (clean-up routine at method end) • Implemented SCR 1601: Dispense on the Fly – Unhandled exception (loop over 12 nunc 96 plates) • Implemented SCR 1609: Sequence index out of range error during aliquot dispense (Smart Step – Pipette Aliquot) • Implemented SCR 1623: AutoLys Channel unhandled error - No element found (Firmware error code 21/88) • Implemented SCR 1633: Tip Eject into Liquid Waste • Implemented SCR 1638: Eject of CO-RE Grip Tools fails with step lost • Implemented SCR 1641: Repeat Error Handling - Executed twice
AT File Filter	• Implemented SCR 1614: AT File Filter - Wrong update of Register.inf file
HSL Libraries	• Implemented SCR 1627: GetBarcode of HSLMlStarStepReturnLib trims leading and trailing spaces
Maintenance	• Implemented SCR 1610: Punch Gripper crash after daily maintenance