Release Notes

Freedom EVOware® Reader Driver V1.7 Service Pack 1 (for Infinite® F50, Infinite 200, Infinite 200 PRO, Infinite 500, Infinite M1000)

Contents

1. Purpose

This document describes Release Notes for the following released software package and related hardware and firmware.

Module	Version
Freedom EVOware® Reader Driver	**1.7.2**
.NET Framework	2.0
Firmware F50 (FW-Package 2.01)	MAI(V2.01)
Firmware F200 (FW-Package 2.70)	MAI (V2.12), FIL (V2.04), HCP (V2.02), LUM (V2.00)
Firmware M200 (FW-Package 2.60)	MAI (V2.12), HCP (V2.02), LUM (V2.00), MEM (V2.12), MEX (V2.13)
Firmware F200Pro (FW-Package 1.2)	MAI (V3.14), FIL (V2.06), HCP (V2.02), LUM (V2.00)
Firmware M200Pro (FW-Package 1.2)	MAI (V3.14), HCP (V2.02), LUM (V2.00), MEM (V2.12), MEX (V2.13)
Firmware F500 (FW-Package 1.50)	MAI (V1.30), FIL (V1.10), ADC (V1.00), LUM (V2.10)
Firmware Connect Stacker (1.30)	MAI (1.30)
Firmware M1000 (FW-Package 1.23)	MAI (V1.34), ABS (V1.00), FPO (V1.01), LUM (V2.10), MEM (V1.20), MEX (V1.20), TCAN (V1.00)
Infinite F50	Series
Infinite M200	Series
Infinite F200	Series
Infinite M200	Series
Infinite F200	Series
Infinite F500	Series
Connect Stacker	Series
Infinite M1000	Series

2. Release Notes

Tecan Freedom EVOware® Reader Driver V1.7 SP1 (Build 1.7.2) enhances version 1.7.0 with the following new features.

2.1. Microsoft Windows 7 64bit compatibility

i-control is now Windows 7 and 64 bit ready.

2.2. Bug fixes

2.2.1. Infinite 200 PRO

If the Infinite 200 PRO was equipped with an injector box with only one injector the injection/dispense stripe could not be displayed correctly.

2.3. General Information

2.3.1. NanoQuant Calculations

The automated calculations for the Labeling Efficiency results are based on the following formulas:

final dye concentration (e.g. Cy3)
blank dye = blank OD dye raw - blank OD 310 raw
sample dye = sample OD dye raw - blank OD 310 raw - blank dye

sample concentration (e.g. Cy3/Cy5-labeled sample)
$[c] = [(OD260blanked - \text{corr. factor dye1} * OD\ dye1 - \text{corr. factor dye2} * OD\ dye2) * \varepsilon260] / d$
$\grave{a}\ [c] = [(OD260blanked - 0.08 * OD\ dye1 - 0.05 * OD\ dye2) * 50] / 0.05$

ratio 260/280 (incl. dye correction)
ratio = (OD260blanked - corr. factor dye1 * OD dye1 - corr. factor dye2 * OD dye2) / (OD280blanked - corr. factor dye1 * OD dye1 - corr. factor dye2 * OD dye2)

For the 260/280 ratio calculation, the OD values of the used dyes, e.g. Cy3 and Cy5, (including the individual dye correction factors) are subtracted from the blank-corrected OD260 and OD280 values. The ratio is then calculated using the finally corrected OD260 and OD280 values.