# Release Notes

*i-control™ V1.7 Service Pack 1*
*(for Infinite® F50, Infinite 200, Infinite 200 PRO,*
*Infinite 500, Infinite M1000)*

## Contents



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# 1. Purpose

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

| Module | Version |
|---|---|
| **i-control** | **1.7.1.12** |
| .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 |

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# 2. Release Notes

i-control V1.7 SP1 (Build 1.7.1.12) enhances version 1.7 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 - corr. factor dye1 * OD dye1 - corr. factor dye2 * OD dye2) * ε260] / d
à [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.

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