

Eco v4.0 Software Release Notes

This release note describes new features and improvements of Illumina's Eco Software.

1. New Features

- 1.1. Now display deconvoluted data on the Monitor Run tab.
- 1.2. Added drop-down menu on the Amplification Plot tab for R and ΔR .
- 1.3. Added drop-down menu on the Melt Curve tab for component melt and derivative melt.
- 1.4. Added the ability to add multiple PCR stages to a thermal profile.
- 1.5. Added the ability to view the graph and well table on each tab in Full View, filling the tab.

2. Improvements

- 2.1. Moved component data to the Amplification Plot tab; removed the Component Data tab.
- 2.2. Improved the autobaseline algorithm (see the *Eco Real-Time PCR System User Guide*).
- 2.3. Improved the autothreshold algorithm (see the *Eco Real-Time PCR System User Guide*).
- 2.4. Reverted the thermal tuning logic to version 3.0, improving run times.
- 2.5. Improved performance when adding samples or assays in Plate Layout.
- 2.6. Added system wait message while the software is finding an instrument.

3. Bug Fixes

- 3.1. Fixed bug in HRM algorithm that was causing improper baseline subtraction.
- 3.2. Fixed bug related to Autocalling when there are 2 or more assays in an AD experiment.
- 3.3. Fixed bug that caused an error when very large quantity values ($>1E200$) were assigned to standards.
- 3.4. Fixed bug in Allelic Discrimination experiments that allowed more than one assay to be assigned to a well.
- 3.5. Fixed bug that would not allow certain assay types to be reverted when using Undo.
- 3.6. Fixed typo in the quencher column in .csv export.
- 3.7. Fixed bug that caused incorrect run start/finish time to be displayed on recovered experiments.



FOR RESEARCH USE ONLY

© 2012 Illumina, Inc. All rights reserved.

Illumina, *illuminaDx*, BaseSpace, BeadArray, BeadXpress, cBot, CSPPro, DASL, DesignStudio, Eco, GAllx, Genetic Energy, Genome Analyzer, GenomeStudio, GoldenGate, HiScan, HiSeq, Infinium, iSelect, MiSeq, Nextera, Sentrix, SeqMonitor, Solexa, TruSeq, VeraCode, the pumpkin orange color, and the Genetic Energy streaming bases design are trademarks or registered trademarks of Illumina, Inc. All other brands and names contained herein are the property of their respective owners.