

## EcoStudy v4.0 Software Release Notes

This release note describes features of Illumina's new EcoStudy Software, which enables you to combine data from multiple Eco experiments into a study for analysis.

### 1. Features

- 1.1. Similar user interface to Illumina's Eco Software.
- 1.2. Analyzes Absolute (Standard Curve) and Relative Quantification experiments generated on Eco instruments.
- 1.3. Exports data to .csv, .tsv, Microsoft PowerPoint, and Microsoft Excel.
- 1.4. Takes advantage of Eco's improved autobaseline algorithm (released in Eco v4.0, described in the *Eco Real-Time PCR System User Guide*).
- 1.5. Takes advantage of Eco's improved autothreshold algorithm (released in Eco v4.0, described in the *Eco Real-Time PCR System User Guide*).
- 1.6. Calculates a standard error of efficiency percentage for Standard Curve experiments.
- 1.7. Enables you to apply a standard error of efficiency percentage for Relative Quantification experiments.
- 1.8. Flags unknown samples that fall outside the standard curve range.
- 1.9. Flags plates that fall outside the acceptable range for Cq variation.
- 1.10. Analysis Settings support both Absolute and Relative Quantification parameters and are assay-specific.
- 1.11. Includes toolbar buttons for quick access to **Analysis Settings**, **Export**, **Auto Scroll**, **Select All**, **Undo Zoom**, and **Clear Filter** features.
- 1.12. Enables you to set mother plate and plate controls for plate-to-plate analysis.



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