

Release notes for Countable Control Software

Version 1.0.0

Release Date: June 2025

This is the initial release of Countable Control Software v1.0.0, the software interface and analysis engine for the Countable System. It enables automated, high-resolution imaging, analysis, and reporting for high precision PCR workflows. The software is installed and validated by Countable Labs personnel on the Countable System. For full system details, please refer to the Countable System IFU or visit countablelabs.com.

Key Features

Experimental setup and control

- Guided creation of Sample Workbooks for fast and easy start to your experiments
- Customizable experimental design with flexible channel selection and sample tracking
- Supports advanced applications such as out-of-the-box multiplexing, copy number analysis, and rare molecule detection

Imaging & analysis

- Fully automated 3D imaging and real-time analysis of each sample (up to 96 samples per run)
- Single-molecule detection and quantification (counts per 50 μ L) without the need for manual gating or Poisson corrections
- **4-color multiplex and broad dynamic range** from 1 to 1,000,000 molecules per 50 μ L sample

Results & reporting

- Real-time status updates, quantification, and snapshots during imaging
- Visual, tabulated experimental summaries: counts per 50 μ L, intensity metrics, QC flags
- Exportable results in **.html** and **.csv**

Known limitations

- No user-role management
 - External data export limited to .csv and .html files only
 - LIMS integration not yet available
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For Research Use Only. Not for use in diagnostic procedures.