

GeoMx[®] DSP Software v2.1 Release Notes

The GeoMx DSP technology expands its functionality through the release of GeoMx DSP software version 2.1 in November 2020. Below is a list of this software version's features as well as feature updates from version 2.0. For additional support or to report an issue with the software, email GeoMxSupport@nanoString.com.

Features

The main user interface of this software is the Control Center. From the GeoMx DSP Control Center, you may control all instrument tasks including creating slide records, managing users, accessing Data Analysis, and starting a run. Features include:

- Accommodation for up to four slides in a run
- Step-by-step data collection workflow
- ROI selection and segment creation tools within the Scan Workspace
- Downstream readout via NanoString[®] nCounter platforms (SPRINT, nCounter MAX, and nCounter FLEX instruments) and via Illumina platforms (i.e., MiSeq, NextSeq550, and NextSeq2000)
- Records management: including slide records, scan parameters, scans, and saved studies
- Administration options for users with administrative access
- Data Analysis Suite: combining spatial resolution of ROIs on scan with visualizations returned from nCounter counts or NGS readout

Feature Updates from v2.0

The GeoMx DSP software v2.1 offers the following new features:

- Scan workspace enhancements, including the **Image Overlay** feature.
- New **user notifications** in the Control Center.
- Coordination with the newest version of **GeoMx NGS Pipeline** software, v2.0, to automatically process Illumina FASTQ sequencing files to GeoMx readable digital counts (DCC) for input back into the Data Analysis Suite.
- Enhanced Data Analysis features, including improvements to QC: LOQ calculated separately, negative probe geomean flagged separately, and improvements to the CTA probe QC local outlier algorithm.
- Data Analysis plot performance and display enhancements to support larger studies.
- **Cluster Analysis** and **Pathway Analysis** as functions on the toolbar.
- Data Analysis support for multiple CTA probe kits, enabling custom RNA NGS analysis.
- Coordination with most recent **GeoMx Auxiliary Server software**.
- Bug fixes, security, and usability improvements.

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