

DS2® Elite New Enhancements



Open by design. Enhanced by innovation.

Building on the legacy of the DS2®, the DS2® Elite delivers sophisticated ELISA automation with advanced features to streamline your workflow and boost productivity. Its enhanced software is compatible with Microsoft® Windows® 11 Operating System and offers a modern, intuitive interface, simplifying operation and improving overall efficiency so you can spend less time troubleshooting. Additionally, with the introduction of tip verification technology, you can remain confident in consistent product performance that delivers reliable results, every time.

SYSTEM FEATURES

USER BENEFITS

Microsoft® Windows® 11 Operating System compatibility

- Update to new Windows 11 Operating System for greater cyber security

Stand-alone Co-Connect™ LIS interface software with multi-tube and feature sets (replaces DYNEX LIS-LINK)

- Ability to resend data
- Enhanced data transmission protocols
- PPI encryption and masking on-screen
- Compatible with multi-tube assay
- LIS connectivity available via serial port and TCP/IP, connecting instrument to LIS host
- Debug package for users to access technical support, as needed
- Multiple language translations, including Arabic, French, German, Italian, Portuguese, Russian, and Spanish

Edit Assay Start

- Ability to start assay run from any step, without changing the assay file

User profiles and logins

- Create different access levels
- Include usernames on reports and log files
- Provide enhanced traceability for 21 CFR Part 11 compliance

Serial dilution of standards, controls and samples with variable runtime options

- Standard practice for quantitative assays that have curves
- Can change dilution factor at runtime for each sample and replication (1st and 2nd stage dilutions)
- Fully configurable within Assay Editor
- Support research labs, academic institutions and biopharma market

Dilution mixing improvements

- Detect level throughout entire dispense and aspirate process
- Provide new mixing options, such as Adhesion Factor, Into Tip speed profiles, and Out of Tip speed profiles
- Reduce bubble formation
- Improve handling of manufacturer-specific diluent
- Enable increase or decrease of residual fluid in the tip for mixing

Refreshed user interface with new DYNEX® branding

- Updated logo, color scheme, and icons/buttons to create consistent look across DYNEX instruments
- Updated interface for commonly used areas like Work List Editor and Timeline Screen

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USER BENEFITS

Added pre-wash step between dilution and pipetting steps

- Provide full automation of pre-wash step per assay requirement (wash step after blocking reagent)

Improved, user-friendly Assay Editor report

- Enhance user experience with detailed, color-coded report sections
- New template to display the assay plate map
- Ability to scroll to report sections vs. Page Up/Page Down

Lot-specific data stored (in-line with DSX® & Agility®)

- Eliminate having to enter lot information every time
- Ability to enter negative numbers
- Ease of use for current and new users
- Reduced labor time with minimal hands-on work for every single run
- Reduce chance of input errors

Reduction of sample batches displayed

- Reduce sample batches that display on user interface
- Show 20 most recent sample batches to eliminate scrolling to find most frequently used

Optimization of assay timing

- Ability to start timing from first transfer to plate for all ambient incubations
- Improved performance from potential assay drift

Onscreen display of successful plate completion

- Indicate on screen that run is complete
- Customizable feature to turn on/off based on preferences

Levey-Jennings improvements

- Provide improved traceability/trending of quality control values

Increased reader photometric range to 3.5

- Increase photometric range of the reader from 3.0

Modification of language translations for DS-Matrix® software

- Inclusion of Arabic

License dongle-controlled DS-Matrix software with tip verification feature

- Protect against unauthorized use of DYNEX software
- Protect against unauthorized use of DYNEX tips

Improved, user-friendly Plate Results report

- Enhance user experience with detailed, color-coded report sections and results summary page
- Ability to scroll to report sections vs. Page Up/Page Down
- Ability to re-process data with Correction Factor or different concentrations
- Ability to change kit lot information