eWORKFLOW PROCEDURES

Product Spotlight



Streamline your Workflows

Introduction

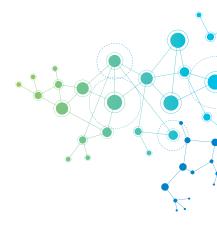
The Thermo Scientific[™] Chromeleon[™] 7 CDS (Chromatography Data System) simplifies your analysis without sacrificing flexibility, using innovative eWorkflow[™] procedures.

Chromeleon 7 CDS streamlines your workflows and gets you from samples to results quickly and easily, boosting your overall lab productivity.

The tools for streamlining your chromatography processes

Fundamentally, all chromatography and mass spectrometry (MS) workflows are similar: samples are injected, separations are performed, signals are captured, and results are generated. Where workflows differ is in the details, such as the instrument conditions, injection sequence requirements, and the techniques by which results are calculated. These differences create complexity for operators, reducing their efficiency and increasing the risk of errors.

Chromeleon 7 CDS solves these problems using eWorkflow procedures. An eWorkflow procedure is a set of rules that captures all the unique aspects of a chromatography or MS workflow and guides the operator through a minimal number of choices needed to create a complete, correct sequence with predefined files and a well-defined structure.



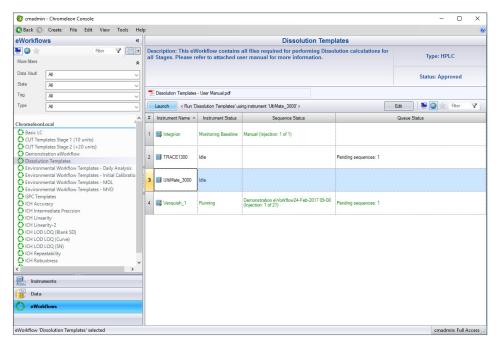


Using an eWorkflow procedure drastically simplifies correct sequence creation—the operator just selects an instrument, specifies the number of samples, the starting vial position in the autosampler, and begins the analysis. The software then runs the analysis, processes the data, and produces final results.

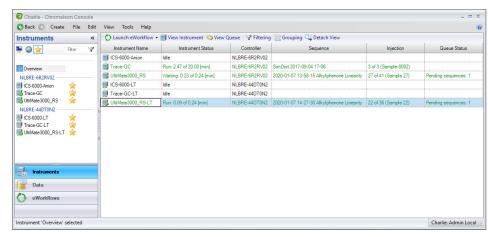
eWorkflow procedures take you from samples to reliable results in as little as two clicks, minimizing the amount of training required and delivering ease of use. Users can create and start a run, process the data, and generate results very quickly and intuitively.

The eWorkflow procedures can be launched from multiple locations in the Chromeleon Console:

- 1. The eWorkflows Category
 - Select an eWorkflow procedure, select an instrument and press the Launch button
- 2. The Overview pane in the Instruments category
 - Select an Instrument and launch via an automatically filtered (to the selected instrument) drop down list
- 3. The Instrument ePanel in the Instruments category
 - Launch via an automatically filtered (to the selected instrument) drop down list



Launch from the eWorkflows category in the Chromeleon Console



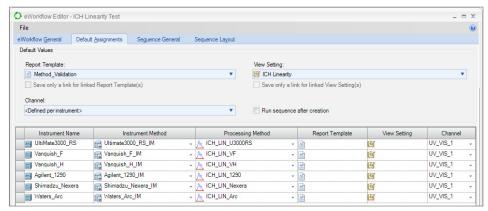
Launch from the Overview pane in the Instruments category



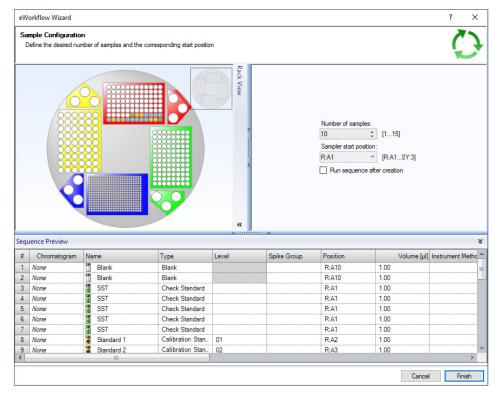
Laucnh from the Instrument ePanel in the Instruments category

Only one eWorkflow procedure is required per analysis method. Each can support multiple instruments, even with differing configurations, with automatic selection of the correct methods, reports and channels ensuring more 'right first time' sample analysis.

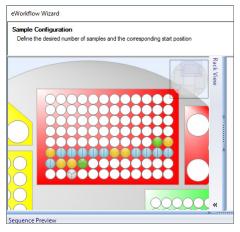
Intelligent instrument recognition in the eWorkflow Editor ensures correct linkage between instruments and methods, eliminating failed sequences.



Default assignments in the eWorkflow Editor ensure correct method, report and channel selection for each instrument



The eWorkflow Wizard shows a sequence and autosampler rack preview with easy selection of the number and positions of samples



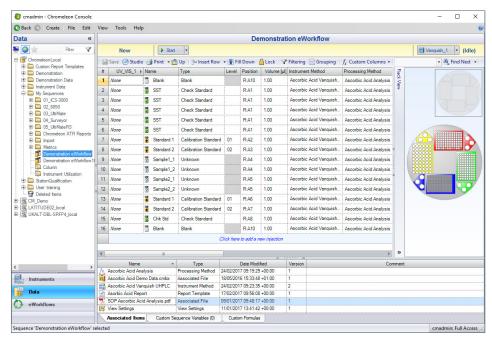
The eWorkflow Wizard supports zooming into the rack display to graphically select the starting vial position

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Upon completion of the wizard the sequence is automatically created and can be immediately started. All relevant files are incorporated for a complete solution. You can even include other external documents in the eWorkflow sequence, such as the SOP, so the analyst always has them to hand.

Conclusion

The Chromeleon eWorkflow procedures deliver Operational Simplicity™, reducing the number of steps needed to perform chromatography and mass spectrometry workflows, ensuring that procedural rules and guidelines are followed accurately. These benefits are important for routine analyses in quality control and compliance monitoring; they also help with common R&D and method development tasks, such as column scouting, method development and method validation.



The sequence is created with all the correct files and can be started immediately

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