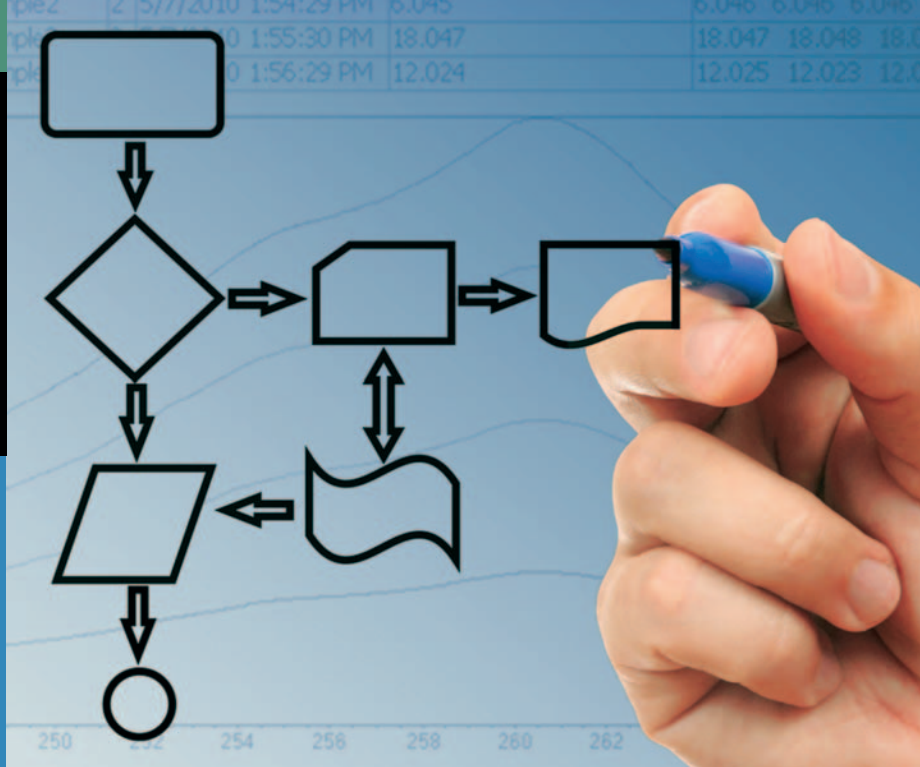


Thermo Scientific CUE Software



Customize Your User Environment



Pharmaceuticals



Food and Beverage



Industrial Quality Control



Teaching Laboratories

Transform Your UV-Visible Experience

SIMPLIFY YOUR ROUTINE WITH ONE TOUCH AUTOMATION

Automate and simplify your methods with Thermo Scientific CUE software, a Customized User Environment which allows you to specify how your spectrophotometer works for you. Ideal for quality control laboratories, CUE software transforms multi-step workflows into one simplified, easy-to-follow method suitable for any level of user.

Turn your spectrophotometer into a custom analyzer that gives you the answers you need with Thermo Scientific CUE software. Included with Thermo Scientific INSIGHT software, CUE software works with the INSIGHT program to bring you fixed, scan, quant and life science applications in a format that makes sense to you. From pharmaceuticals to petroleum, CUE software helps minimize the potential for user and calculation errors in your most critical routine applications.

Customize how your technicians interact with your spectrophotometer with CUE scripts:

- Prompt users to perform specified actions at correct times
- Automate user decisions
- Perform complex data calculations
- Determine pass/fail results based on previously defined criteria
- Utilize compatible accessories
- Reduce the need for hard-copy methods in the laboratory



Customize your user environment to run your methods automatically with the touch of a button.

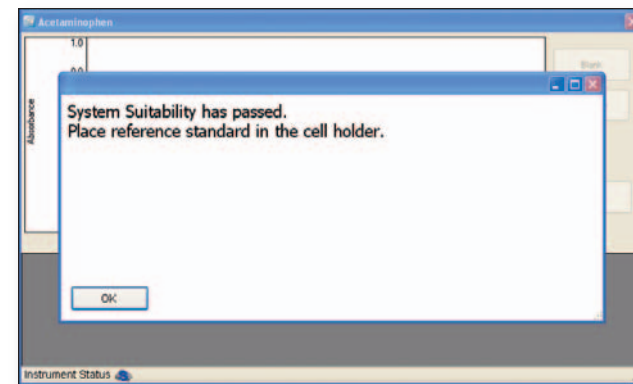
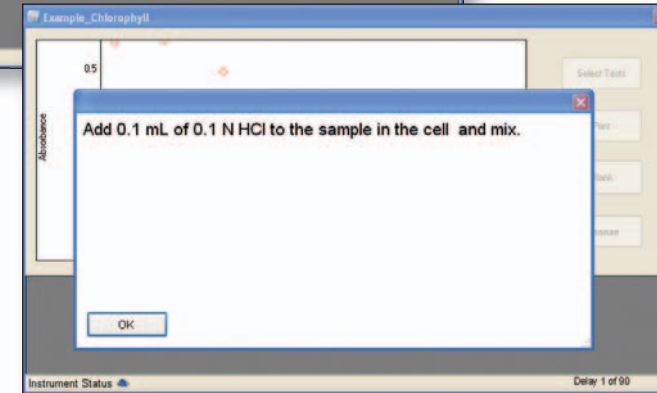
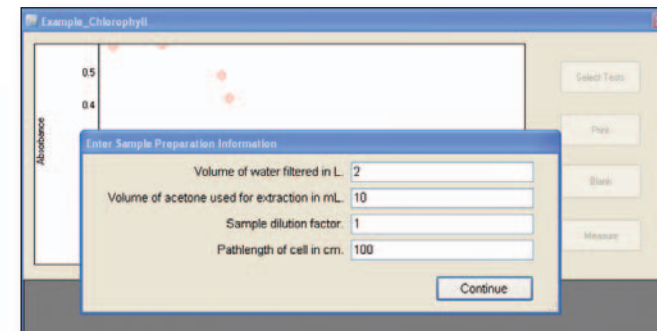
Minimize User Error

Minimize technical errors and reduce the need for hard-copy methods in the laboratory by prompting users to perform tasks and enter values at appropriate times. Prompt text is completely customizable and may be used to direct users to complete a variety of detailed steps, such as:

- Choose test(s) to run
- Prepare samples as specified
- Enter sample details
- Perform system suitability
- Measure a blank, reference or sample
- Re-prepare a sample that is out of range
- Add a solution

Prompts are also useful for notifying a user that an event has occurred and what action to take, such as:

- System suitability failure, re-blank instrument
- Sample concentration out of range, dilute sample
- Test failed, notify supervisor

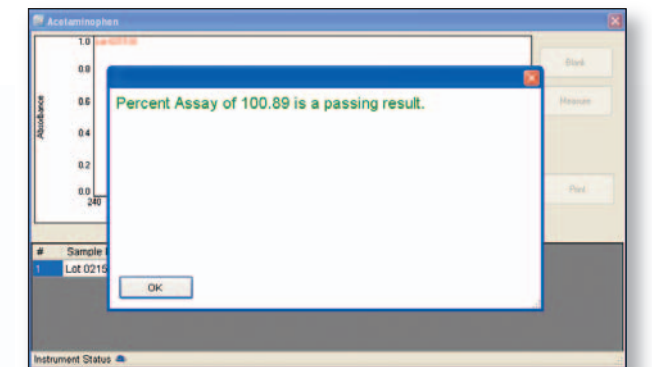
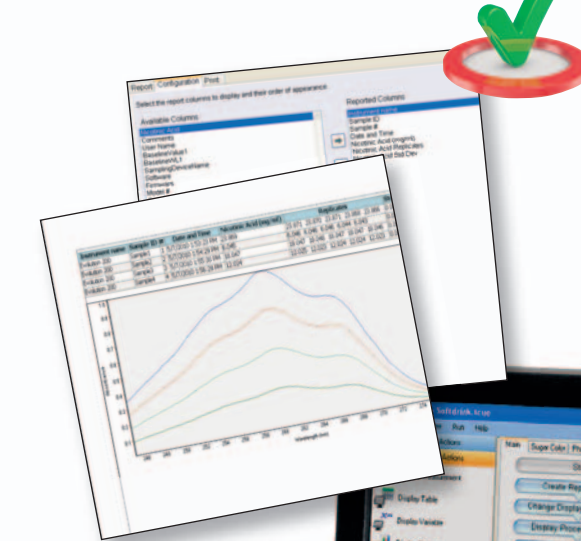


Develop and Deploy

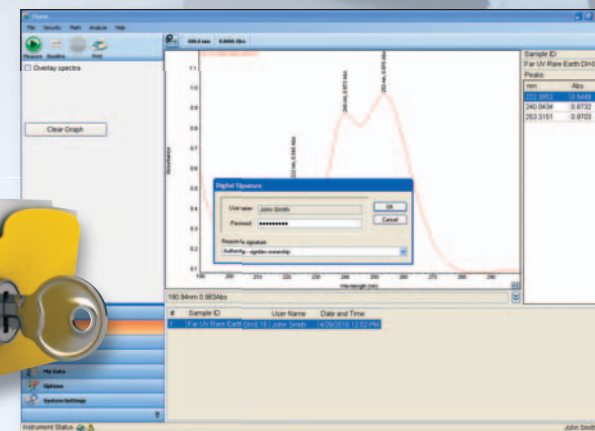
Develop CUE scripts on your computer and deploy them on multiple local or computer controlled instruments for simplified use by all your technicians and students. Link and launch your most frequently used scripts using the four programmable buttons on the keypad.

Reliable Data Analysis and Reporting

Eliminate time consuming and error ridden transcription activities by automating calculation and data analysis for faster, more reliable result reporting. From simple user defined equations to complex peak height and area calculations, CUE scripts can calculate and compare results to specified acceptance criteria automatically. For added convenience, save workbook files and print or export data tables at the completion of every analysis.



Program calculations to perform automatically on collected data and determine pass/fail results.



Security Assured

To ensure consistency, CUE scripts can be locked from further editing. For regulated environments requiring 21 CFR Part 11 compliance, data generated using CUE scripts can be reviewed and signed using INSIGHT Security software.



Ease-of-use = Ease-of-execution

SIMPLIFY YOUR KEY OPERATIONS

Most development languages or macro engines require cumbersome or hard to remember commands. The CUE script editor utilizes easy-to-use and intuitive steps arranged graphically in order of execution. Simply double click on the step you want to add to the method to set its parameters. Key attributes of the step are displayed to the right of each step for quick reference.

INTELLIGENT DESIGN

CUE software is thoughtfully designed to harness the power of a traditional programming engine in a format simple enough for users with minimal or no programming experience. Using a patent pending process, CUE software ingeniously recognizes routine gaps and errors in your script by turning actions requiring additional information or steps red and displaying error tips.

The diagram illustrates the 'Intelligent Design' of CUE software. It shows a sequence of steps: 'Measure Sample', 'Assign value into variable' (highlighted in red), and 'Create Report Table'. A callout box shows a list of actions with their descriptions:

- Start
- User Prompt: Insert blank
- Blank / Zero
- User Prompt: Insert your sample
- Measure Sample: Measurement = Fixed template: Classic/Basic Fixed
- Create Report Table: Create Table
- Add Table Row: Add Measurement to Table
- Display Measurement: Display Measurement
- Display Table: Show Table
- Print Table: Print Table
- Wait for CUE exit

A dialog box for 'Assign value into variable' shows a variable 'SugarColor' and an expression 'A420 / Factor' with an error message 'Expression cannot contain 'A420''.

We offer an extensive selection of actions to meet the needs of your routine applications, including:

- Blank/Zero
- Measure Sample
- Measure Standards
- Measure Multiple Samples
- Create Report Table
- Add Table Row
- Change Displayed Columns
- Print Table
- Export Table
- Store Result into Variable
- Create Reportable Column
- Change Template Value
- Create New Workbook
- Save Workbook File
- Display Measurement
- Display Table
- Display Variable
- Display Picture
- Display Procedure Button
- Loop
- If Then
- If Then Else
- User Decision
- Call Procedure
- Call Program
- Prompt for Value into Variable
- Assign Value into Variable
- User Prompt
- Stop CUE Script
- Delay CUE Script
- Comment

Accessory Compatibility

EXPAND YOUR VERSATILITY

For optimum performance and sampling convenience, CUE software is compatible with many of our accessories, including:

- Sipper Systems
- Cell Changers
- Temperature Control accessories

CUE scripts set-up with an accessory run manually when the accessory is not installed, allowing for testing to continue even if the accessory is unavailable.



Smart Thermostatted
8-cell Changer



Smart Sipper
Accessory

In addition to these offices, Thermo Fisher Scientific maintains a network of representative organizations throughout the world.

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INSIGHT Software – Sophistication Simplified

Create methods and set instrument parameters for use in CUE scripts using INSIGHT software. INSIGHT software redefines traditional UV-Vis applications with its powerful suite of analytical tools for Scan, Fixed, Quant and Kinetic analyses. This innovative and versatile software delivers:

- Comprehensive spectrum analysis calculations and advance peak picking functions, including peak area calculations
- Six different options for performing quantitative methods with standards, factors or user-defined equations
- Comprehensive kinetics data fitting for zero, first and second order reactions and components of consecutive reactions

INSIGHT software may also be used to review and further analyze saved workbook data previously collected using a CUE script.

