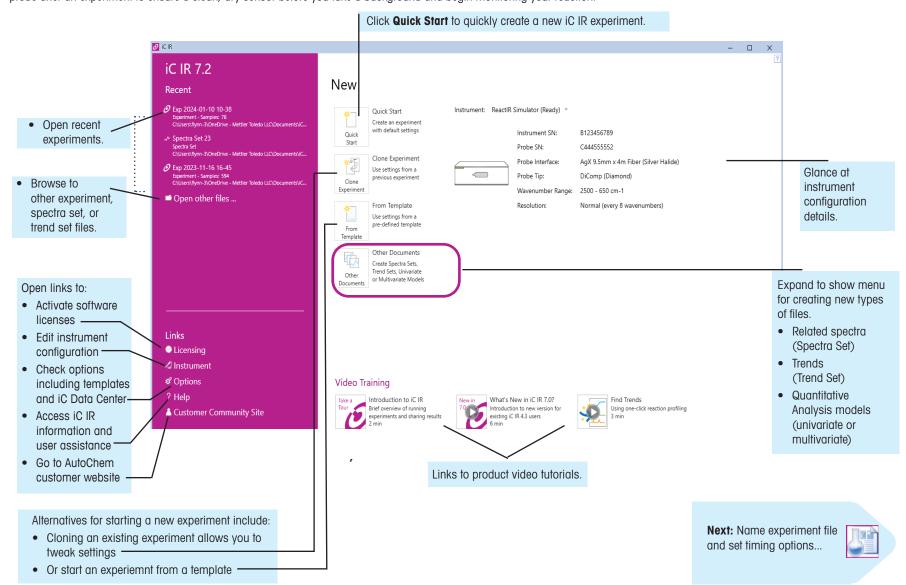
# iC IR™ Quick Start Guide

iC IR software collects mid-infrared spectroscopic data and presents it graphically to help you **analyze** and **report** reaction information in real time. This guide introduces new users to the iC IR user interface (UI) and describes several choices for getting started. The Quick Start option is the fastest way to create an experiment and find the trends that provide insight into reaction dynamics. Each experiment automatically generates a report, and you can easily share spectra and trends of interest.

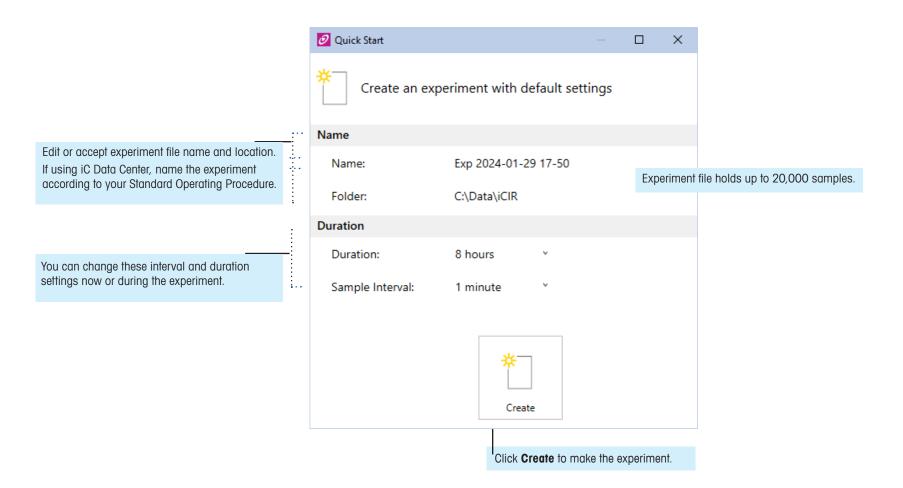
### **Start Page**

A start page appears when you first open iC IR. At a glance you can see instrument configuration and begin an experiment, open a recent file, or view video tutorials. Always clean the probe after an experiment to ensure a clean, dry sensor before you take a background and begin monitoring your reaction.



## Name the Experiment File and Accept or Change Basic Options

After you click **Quick Start** on the Start Page, click **Create** to accept the default filename and location of the experiment file that will have either the default or specified sample interval and duration settings.

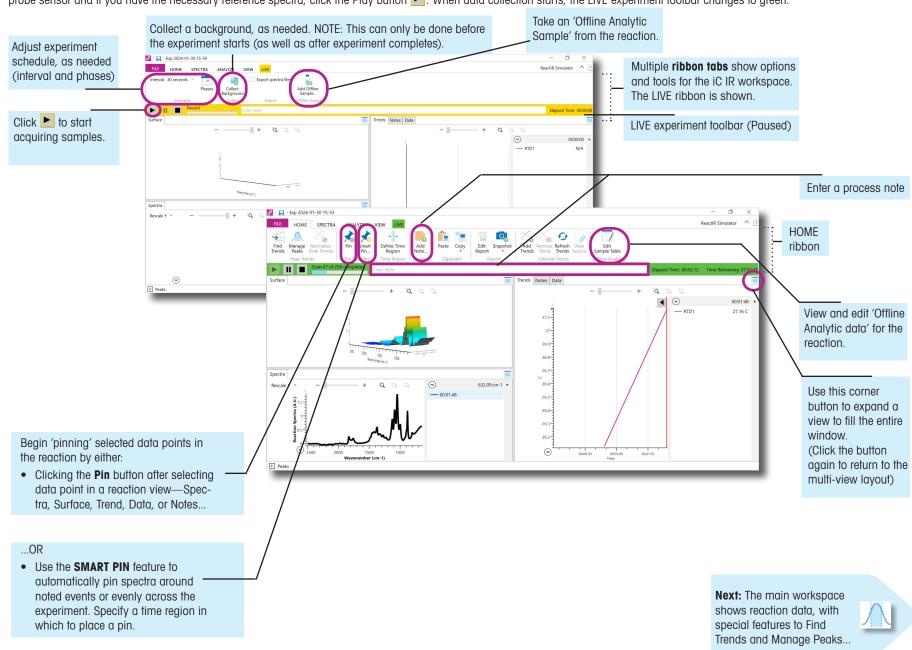


**Next**: Go to the paused experiment workspace...



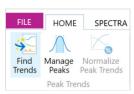
### **Start Experiment**

After you click **Create** to make the experiment, the main iC IR workspace appears in 'paused' mode with the LIVE ribbon. If you have a current background spectrum from a clean and dry probe sensor and if you have the necessary reference spectra, click the Play button. When data collection starts, the LIVE experiment toolbar changes to green.

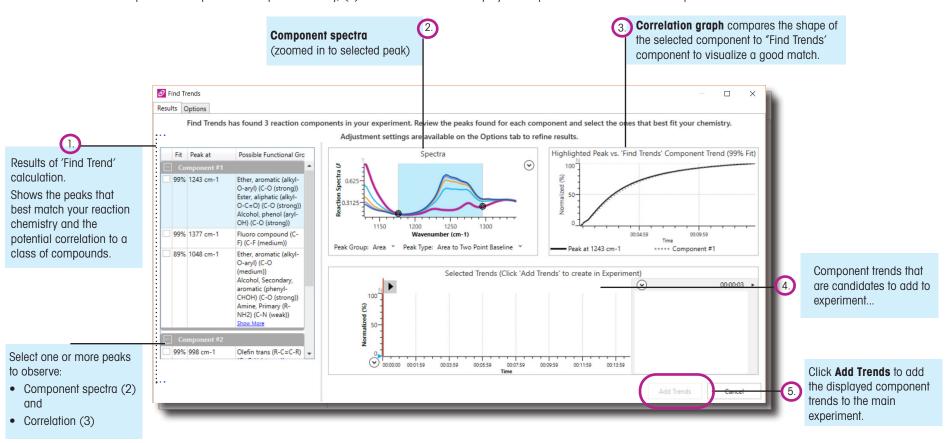


#### **Find Trends**

iC IR provides a powerful Find Trends feature on the HOME ribbon. Click the Finds Trends button to display a separate window.



After several scans, the software automatically processes the spectra and identifies probable reaction component concentrations in the chemistry. First, (1) select the components of interest from the table on the left, (2) review the peaks found for that component, and (3) observe the correlation graph. Then, (4) select one or more probable components with a high correlation between the calculated peak and the probable component. Finally, (5) click **Done** to add the displayed component trends to the current experiment.



**Next**: Learn how to Manage Peaks...



### **Manage Peaks**

iC IR includes a special Manage Peaks feature on the HOME ribbon where you can add, edit, or remove peak trends. To expand the work section at the bottom of the main window, select the **Manage Peaks** button on the HOME ribbon.

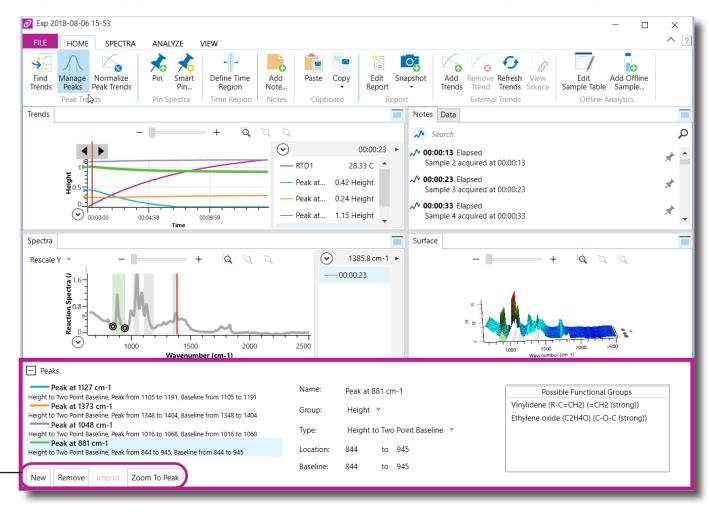
FILE HOME SPECTRA

Find Manage Peak Trends

Peak Trends

Alternatively, click [+] Peaks at bottom left corner of the main window. | Peaks

Viewing the Spectra and Trends side-by-side allows easy graphical modifications to peak calculations and direct observation of resulting peak trend changes.



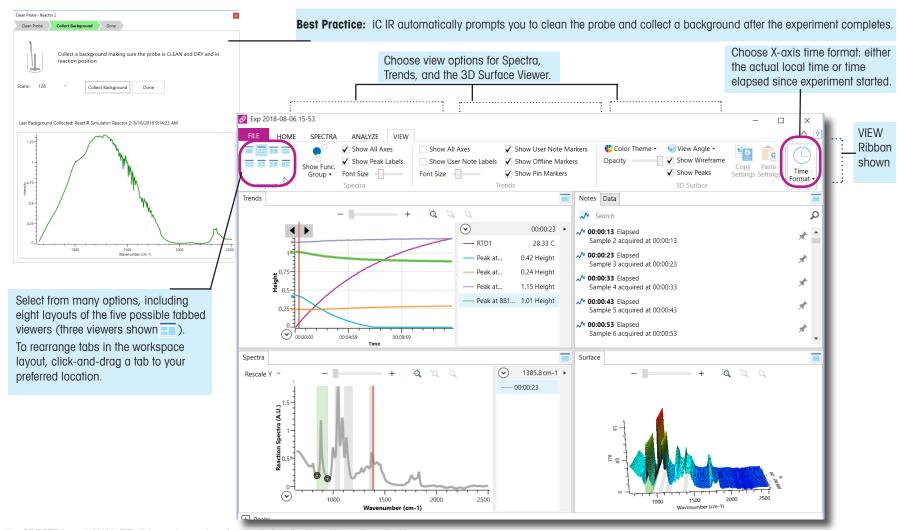
Use buttons to remove a trend, add a new one, or zoom to details about the highlighted peak, \_\_\_\_\_\_ or observe the possible functional groups and adjust calculation settings.

**Next**: Review a completed experiment...

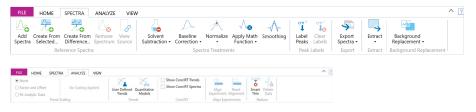


### **Review Completed Experiment**

After you **Stop** the experiment or when it completes the scheduled duration, the reaction information is ready for analysis, interpretation, and reporting. iC IR includes automatic reporting and a choice of export options, including single or multi-spectra files in SPC, SPA, or CSV format. Access both options from the HOME ribbon and FILE menu.



Use the SPECTRA and ANALYZE ribbons to apply advanced data treatments and analysis.



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