Quick Guide to Isolera™ LS

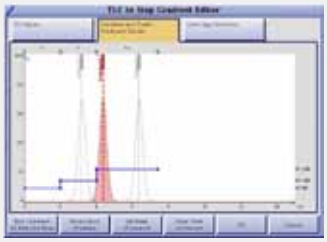
Start Here

1. Turn system on using the switch under the touchscreen
2. Press *Chemistry*, the UV lamp turns on at this time
3. The 7.5 min warm-up can be skipped after 2 minutes
4. If needed, press *Solvents* tab to add/replace solvents
5. Press *Method*

Create a Gradient for One or Multiple Compounds

Create a Gradient to Purify One Compound (for Isolera LS equipped with Spektra)

1. Press *Method*
2. Press *Optimize*
3. Press *Open TLC to Step Gradient Editor*
4. Enter Rf data for up to six compounds from up to 10 TLC runs
5. Press *Gradient and Peaks Predicted Result*
   - 5a. Touch the peak of the desired compound (optional)
   - 5b. Press *Set Peak of Interest* (optional, to shorten run)
   - 5c. Press *End Gradient at Selected Peak*
6. Press *Cartridge Selection*
7. Enter mass of material to be purified
8. Select cartridge based on time and capacity
9. Press *OK*



Create a Gradient to Isolate Multiple Compounds

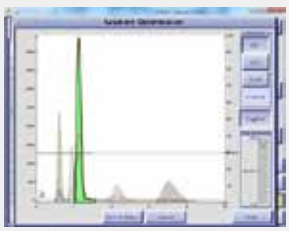
1. Press *Method*
2. Press *Optimize*
3. Press *Open TLC to Linear Gradient Editor*
4. Enter all information on the page. Rf product: TLC results for the desired product. Additional Rf's are for the next nearest spots on the TLC plate.
5. Press *OK*

Choose a cartridge based actual load capacity.

Scale up a previously used method and focus on the compound of interest

Optimizing Scale-Up

1. Touch *Results*
2. Select run to optimize in *Run Selection* tab
3. Touch the *Optimize* button
4. Select peak to optimize
5. Adjust sensitivity if needed
6. Touch *Save to Editor* button
7. Touch the *Parameters* tab
8. Touch *Cartridge Type*
9. Select a cartridge from the list



Continue on side 2 »

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More information can be found at www.biotage.com

Quick Guide to Isolera™ LS **Part No: UI301**

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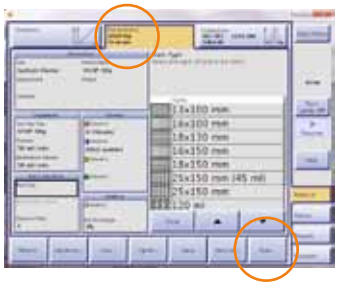
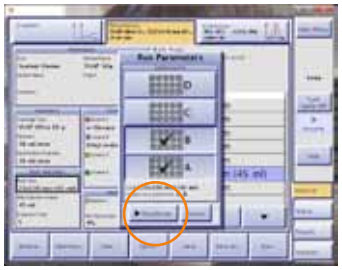
Routine Operation

1. Install the selected cartridge
2. Place fraction rack(s) and tubes in fraction collector
3. Press *Parameters*
4. Choose the rack type.
5. Press *Run...*
6. Select rack(s) to collect fractions
7. Press *Equilibrate*. Isolera will now equilibrate the cartridge. Equilibration flow rates can be increased to over 100 mL/min in most cases.
8. When equilibration completes, press *Load Sample*
9. Load the mixture to be purified onto/into the cartridge
10. Press *Close*
11. Press *Gradient*



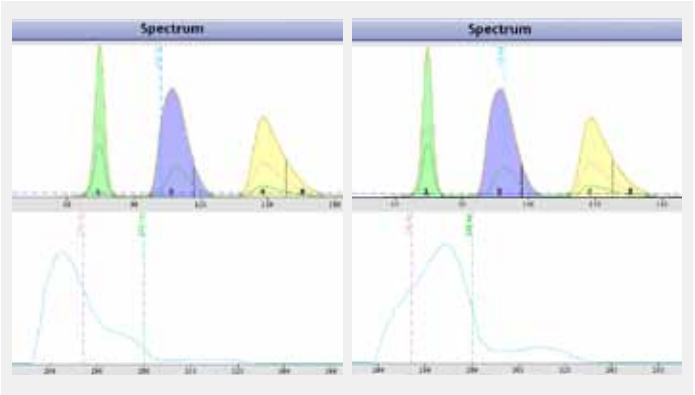


During the Purification

- Assess fraction purity in real-time by monitoring the UV spectrum
- Change any method parameter during the run

Review Results

Check for purity by reviewing the UV spectrum for peaks. Consistently shaped UV spectra means that the fraction is pure.

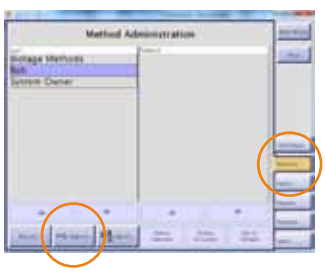


Transferring Isolera Methods between Systems

1. Save the method
2. Touch the *Results* button, place a formatted USB memory stick in any USB port on the Isolera
3. Select the desired result and touch *Create*
4. On the *Parameters* tab touch *Method* and enter a new name
5. Touch *Save As*, then the *USB Save* button
6. Remove the USB memory stick

Upload Method on another Isolera

1. Insert the USB memory stick and touch *Main Menu* then touch *Data Administration*, then select your *User Name* and touch *OK*
2. Touch *Methods* and select the user who will use the method, touch the *USB Import* button. Select the method to be imported and touch *OK*. The methods are imported.
3. To use the method, return to the main menu, touch *Chemistry*, then touch *Open*
4. Choose the user, touch the *Method* name, and *OK*, you are now ready to run the method



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