Pro *EZLC* Chromatogram Modeler Demo



What is the Pro-EZLC Chromatogram Modeler?

- Pro EZLC is an instrument-free, VIRTUAL LAB DRAWER for LC method development. It delivers a fast, no-cost starting point.
- Develop and optimize your methods without setting foot in the lab sacrificing valuable instrument uptime:
 - improve data quality,
 - Improve laboratory efficiency,
 - Improve profitability
- Allows Restek to offer an on-demand consultative customer experience with Restek LC columns.

Pro-EZLC Modeler Capabilities

What is the scope/scale of the Pro-EZLC Modeler today?

- Drugs of Abuse Library (DOA), ~ 290 compounds
- Nitrosamines Library, 16 compounds
- 1.8/2.7/5.0 um particle platform (SPP)
- Multiple column dimensions
- Mass Spec detection
- Available in Japanese, Italian, French, English

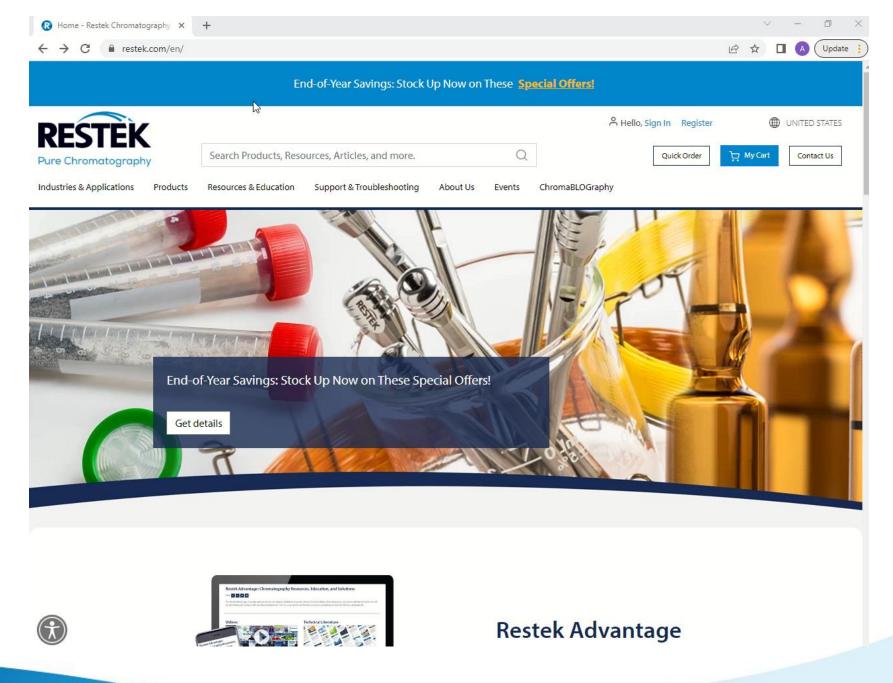
What will the scope/scale of the Pro-EZLC Modeler be in a year?

- Add PFAS, Pesticides, Mycotoxins, etc.
- Add the FPP particle platform
- Add UV detection
- EZLC is being translated into 8 other languages in total. The last ones should be available in the next 1-2 months (to support our global customers)



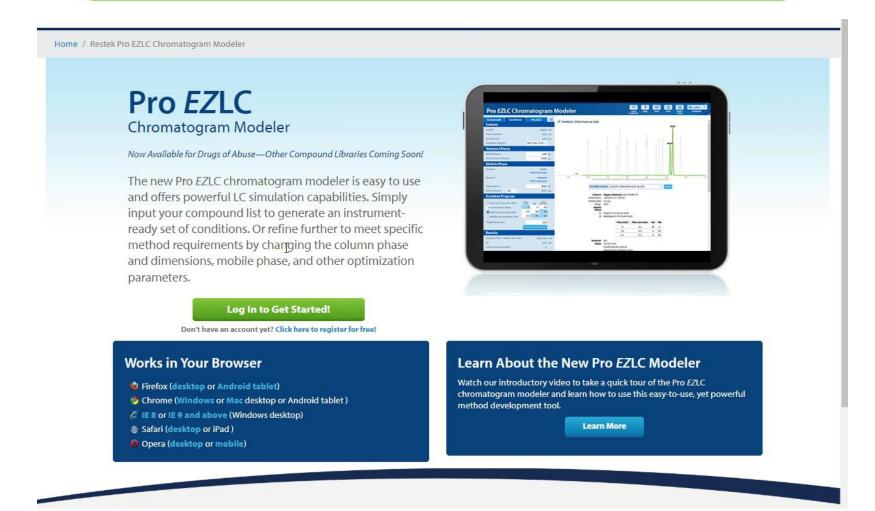
Location?





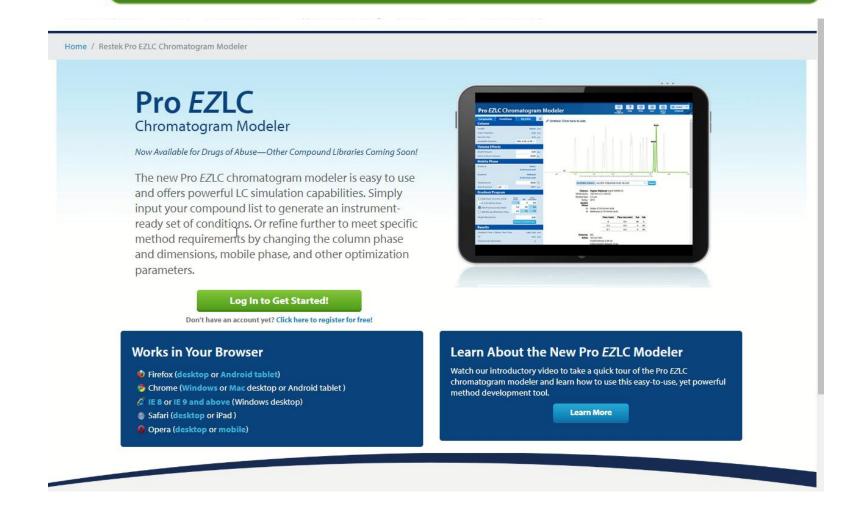


Log In to Get Started!



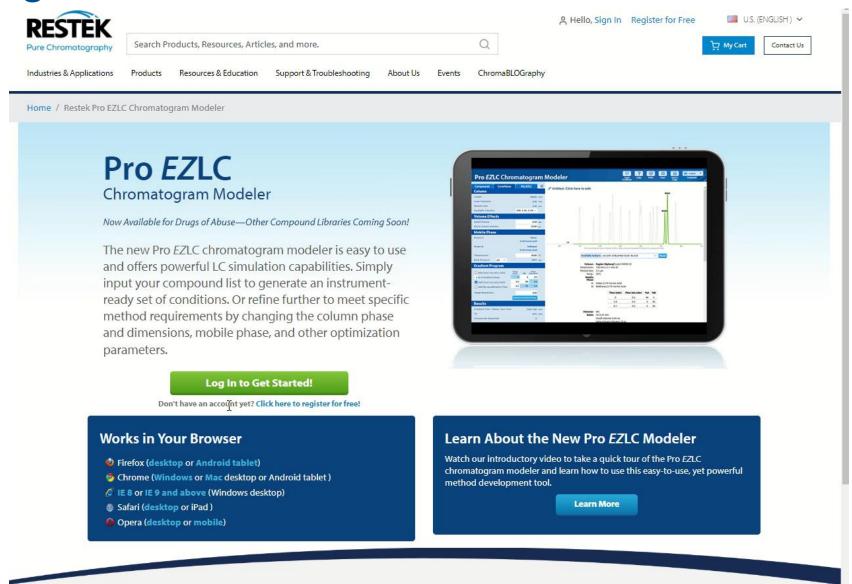


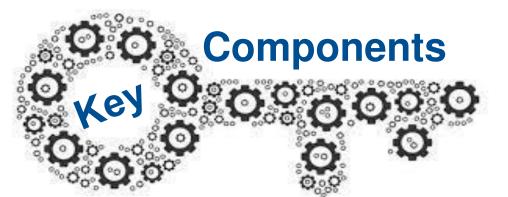
Log In to Get Started!





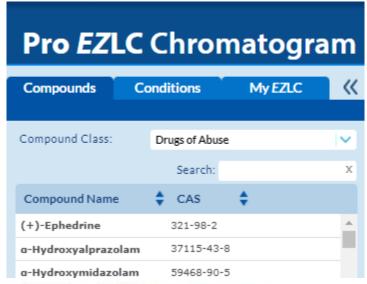
Generating a Model





1. Three Important Tabs

- 1. Compounds
- 2. Conditions
- 3. My EZLC



2. Five Icons

- 1. Send Feedback
- 2. Help
- 3. Print
- 4. Save
- 5. Save a copy



3. Contact Us

1. 4 Ways

Compounds Tab

1. Search for compounds

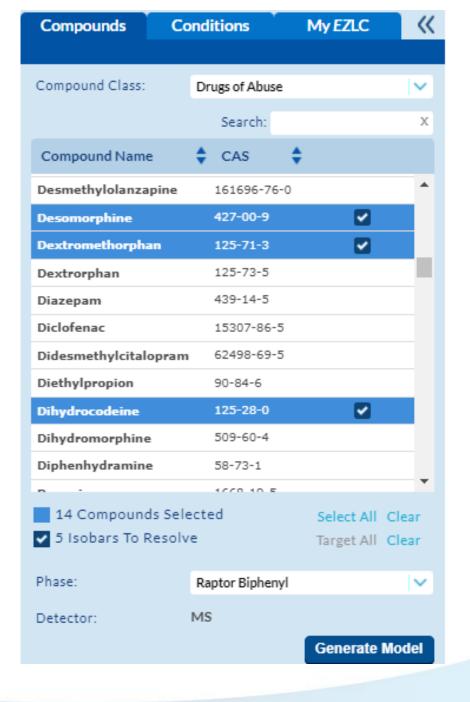
- a. Scroll (alphabetical)
- b. Typing name into Search bar
- c. Typing CAS Number into Search bar

2. Determine Isobars

a. Shown by a white checkmark in a blue box

3. Select stationary phase

- a. Raptor Biphenyl
- b. Raptor C18



Conditions Tab

1. Column

a. Available Dimensions – (12)

2. Volume Effects

- a. Dwell Volume (0-2 mL)
- b. Extra-Column Volume (0 150 μL)

3. Mobile Phase

- a. Mobile Phase A Water
- b. Mobile Phase B Methanol or Acetonitrile
- c. Temperature (30 60 °C)

4. Gradient Program

- a. Initial Isocratic Hold
- b. # of Gradient Steps (3)
- c. Final Isocratic Hold
- d. Re-equilibration Time
- e. Target Resolution
- f. Optimize Gradient Slope

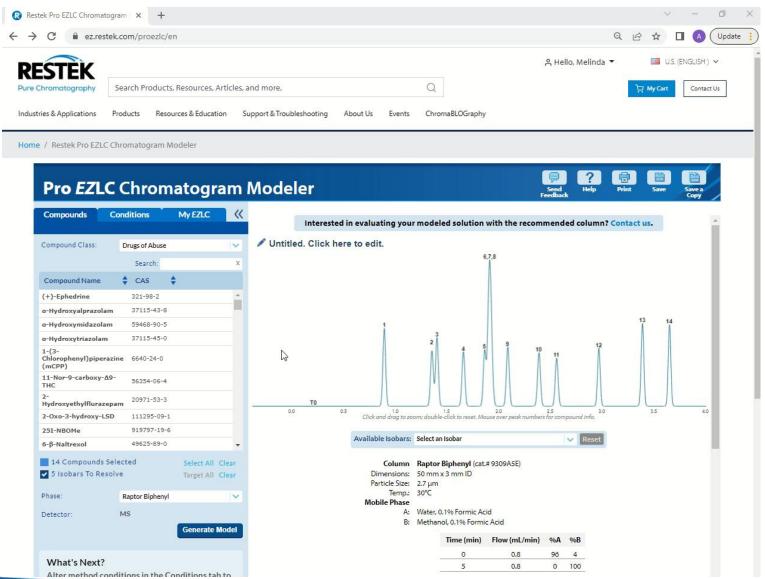
5. Results

a. Undo/Redo

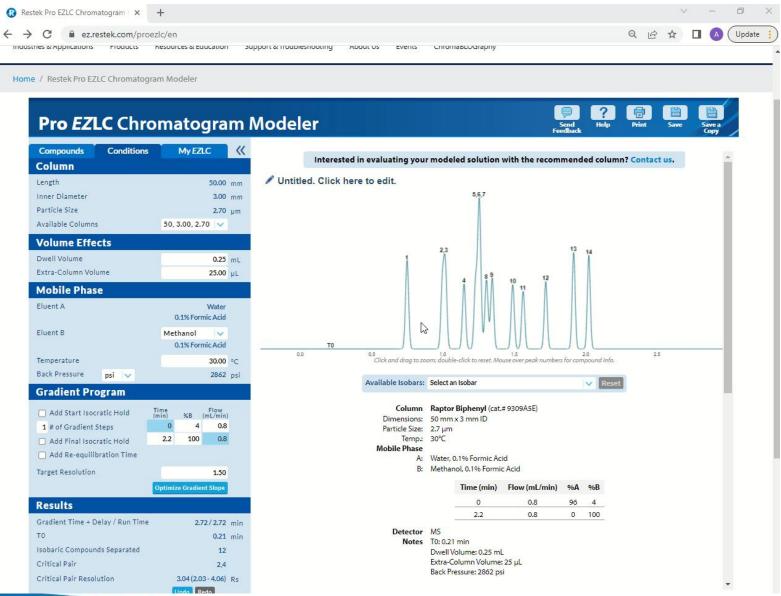




Optimizing A Model

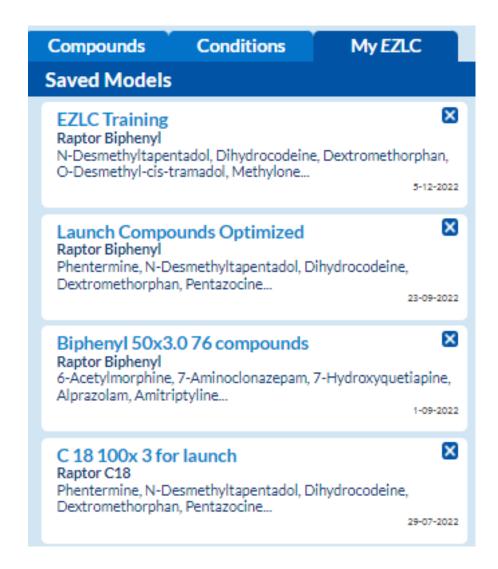


Saving a Model



My EZLC Tab

Saved Models



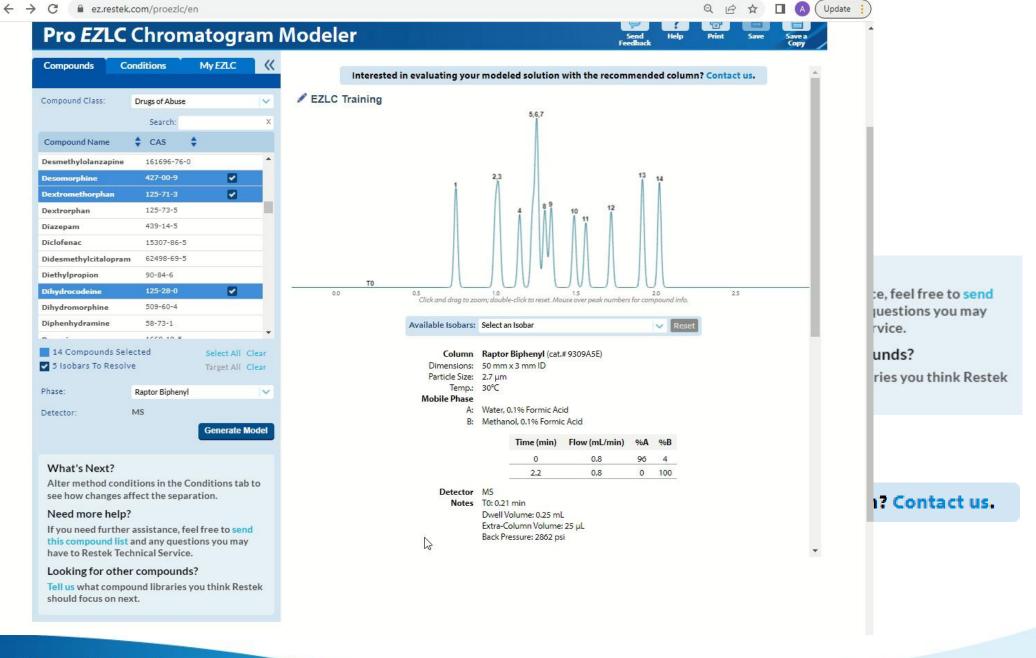
Contactii

- 1. Send | a. Lo
- **2. Send** 1 a. Lo
- 3. Tell Us

a. Lo

CC

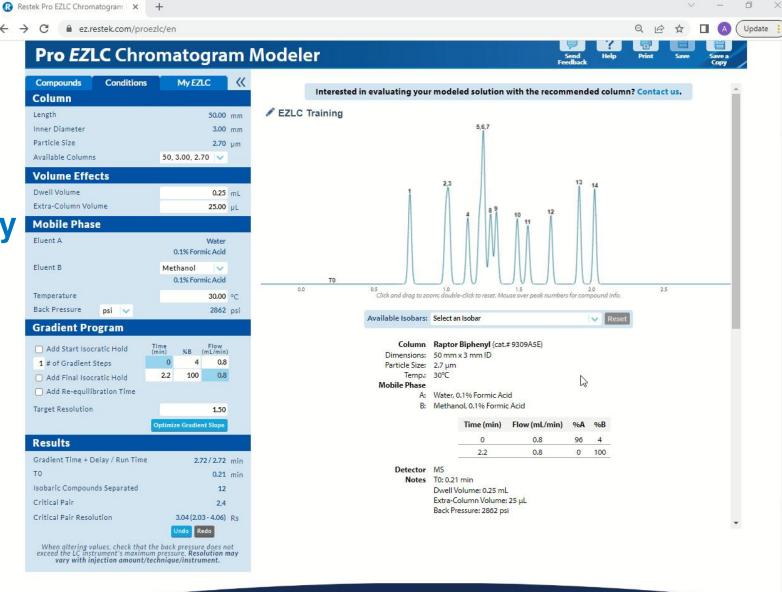
4. Conta a. Lo



Restek Pro EZLC Chromatogram × +

Cool Features

Model View
Zoom
Hovering over peaks to identify
Undo/Redo
View compound structures





Pure Chromatography

Disadvantages

- 1. You cannot simulate matrix effects
- 2. You cannot simulate differences in concentration
- 3. You can only simluate known (measured by us) compounds...

What do you wish for next?

- 1. You cannot simulate matrix effects
- 2. You cannot simulate differences in concentration
- 3. You can only simluate known (measured by us) compounds...
 - Which libraries would you be interested in next?
 - please FILL OUT our SURVEY!

Beer, Beer, Alt...

When? TODAY, 4.30 pm

Where? Restek Booth No. 8

How? The RESTEK beer coaster is your invitation. ©

