Speed Up and Simplify GC Method Development with the

**EZGC Online Software Suite**

- Develop new methods in minutes directly from your desk.
- Optimize or modify existing methods reliably and without guesswork.
- Increase productivity—free, easy-to-use online software saves time and increases certainty.

**TASIA AWARD WINNER**

Now in multiple languages!
Propel Method Development Forward with the New Pro EZGC Chromatogram Modeler

This new and improved version of our popular EZGC chromatogram modeler for polymer capillary columns is just as simple to use as the original, but it now offers advanced options for selecting phases, changing carrier gases and control parameters, further optimizing your results, and much more! Already a favorite of analysts around the world, the updated software helps you develop new methods or optimize existing ones more efficiently and effectively than ever before.

You asked and we listened! Based on user feedback, our new Pro EZGC chromatogram modeler now lets you do the following:

• Start with either the column you have or a column recommended by the program.
• Select compounds from our libraries or bring your own list.
• Target specific compounds for resolution.
• Alter the GC conditions to optimize your model quickly and easily.
• Repeatedly refine the temperature program.
• Switch carrier gases.
• Change the control method (constant flow, pressure, or linear velocity).
• View elution temperatures in the peak list.
• See results for multiple phases.

In just seconds, you can generate a customized, interactive model chromatogram that matches real-world chromatograms with exceptional accuracy. Zoom in, view chemical structures, and even overlay the mass spectra of coeluting compounds.

NEW! Pro EZGC Chromatogram Modeler

YOU NEED: To develop a method from scratch, including the column and conditions.

YOU HAVE: An analyte list (and you may have a column in mind, too).

YOU GET: Customized, interactive model chromatograms that provide a specific phase, column dimension, and conditions. You can change columns, modify conditions, zoom in, view chemical structures, and even overlay mass spectra of coeluting compounds.

Try our instructional videos at www.restek.com/proezgc
Here's how well a Pro EZGC model matches the actual separation!

<table>
<thead>
<tr>
<th>Peaks</th>
<th>ts (min)</th>
<th>Conc. (µg/mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. EPTC</td>
<td>8.462</td>
<td>100</td>
</tr>
<tr>
<td>2. Propachlor</td>
<td>15.968</td>
<td>100</td>
</tr>
<tr>
<td>3. Ethalfluralin</td>
<td>16.065</td>
<td>100</td>
</tr>
<tr>
<td>4. Trifluralin</td>
<td>17.074</td>
<td>100</td>
</tr>
<tr>
<td>5. Desisopropyl-atrazine</td>
<td>17.278</td>
<td>100</td>
</tr>
<tr>
<td>6. Desethyl-atrazine</td>
<td>17.503</td>
<td>100</td>
</tr>
<tr>
<td>7. Phorate</td>
<td>17.776</td>
<td>100</td>
</tr>
<tr>
<td>8. Prometon</td>
<td>19.485</td>
<td>100</td>
</tr>
<tr>
<td>9. Simazine</td>
<td>19.902</td>
<td>100</td>
</tr>
<tr>
<td>10. Terbufos</td>
<td>19.976</td>
<td>100</td>
</tr>
<tr>
<td>11. Atrazine</td>
<td>19.810</td>
<td>100</td>
</tr>
<tr>
<td>12. Propazine</td>
<td>19.880</td>
<td>100</td>
</tr>
<tr>
<td>13. Fonofos</td>
<td>20.079</td>
<td>100</td>
</tr>
<tr>
<td>14. Triallate</td>
<td>20.700</td>
<td>100</td>
</tr>
<tr>
<td>15. Dimethenamid</td>
<td>21.624</td>
<td>100</td>
</tr>
<tr>
<td>16. Acetochlor</td>
<td>21.741</td>
<td>100</td>
</tr>
<tr>
<td>17. Alachlor</td>
<td>21.968</td>
<td>100</td>
</tr>
<tr>
<td>18. Methribuzin</td>
<td>22.172</td>
<td>100</td>
</tr>
<tr>
<td>19. Metolachlor</td>
<td>22.810</td>
<td>100</td>
</tr>
<tr>
<td>20. Chlordin</td>
<td>22.866</td>
<td>100</td>
</tr>
<tr>
<td>21. Cyonazine</td>
<td>23.286</td>
<td>100</td>
</tr>
<tr>
<td>22. Pendimethalin</td>
<td>23.532</td>
<td>100</td>
</tr>
</tbody>
</table>

**Column**  
Rtx-440, 30 m, 0.25 mm ID, 0.25 µm (cat.# 12923)

**Sample**  
Minnesota Ag List 1 pesticide kit (cat.# 32408)

**Diluent**  
Acetone

**Conc.**  
100 ppm

**Injection**  
Inj. Vol.: 1 µL (split ratio 25:1)

Liner: 4 mm Precision liner w/wool (cat.# 23305.1)

**Inj. Temp.**  
300 °C

**Oven**  
Oven Temp.: 100 °C (hold 0.5 min) to 175 °C at 4 °C/min to 250 °C at 14.5 °C/min

**Carrier Gas**  
He, constant flow

**Flow Rate**  
2.0 mL/min

**Detector**  
MS

**Mode**  
Scan

**Scan Program:**

<table>
<thead>
<tr>
<th>Group</th>
<th>Start Time (min)</th>
<th>Scan Range (amu)</th>
<th>Scan Rate (scans/sec)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.6</td>
<td>40-350</td>
<td>5</td>
</tr>
</tbody>
</table>

**Transfer Line**  
Temp.: 300 °C

**Analyzer Type**  
Quadrupole

**Source Type**  
Inert

**Drawout Plate**  
6 mm ID

**Source Temp.**  
250 °C

**Quad Temp.**  
180 °C

**Electron Energy**  
70 eV

**Solvent Delay**  
Time: 1.6 min

**Tune Type**  
PFTBA

**Ionization Mode**  
EI

**Instrument**  
Agilent 7890A GC & 5975C MSD

Try the updated Pro EZGC chromatogram modeler today for an easy, risk-free way to increase your lab’s productivity through faster, more effective method development and optimization. www.restek.com/proezgc
Modify Methods Quickly and with Confidence Using the EZGC Method Translator and Flow Calculator

The EZGC method translator and flow calculator tool makes it simple to switch carrier gases, change column dimensions or control parameters, or to optimize a method for speed or efficiency. Simply enter your method specifications and the program will return a full set of calculated method conditions that will provide similar chromatography. Use the EZGC method translator and flow calculator tool to optimize your analysis for speed so you can increase sample throughput!

Start saving time today—develop, optimize, or translate methods quickly and with confidence using Restek’s EZGC online software suite! www.restek.com/ezgc