

## BioEthanol 18HR Fermentation 3-58-51

**Column:** Rezex<sup>™</sup> ROA-Organic Acid H+ (8%), LC Column 300 x 7.8 mm, Ea

**Dimensions:** 300 x 7.8 mm ID

**Order No:** 00H-0138-K0

**Elution Type:** Isocratic

**Eluent A:** 0.005N Sulfuric Acid

Gradient Profile:	Step No.	Time (min)	Pct A
	1	0	100

**Flow Rate:** 0.6 mL/min

**Col. Temp.:** 60 °C

**Detection:** Refractive Index (RI) @ (40 °C)

**Detector Info:** Shimadzu Prominence LC-20A System (LC-20AT pump, DGU-20A3 Membrane Degasser, SIL-20AC Autosampler, CTO-20A Column Oven, RID-10A Differential Refractive Index Detector, CBM-20A System Controller, Class-VP Chromatography Data System SecurityGuard<sup>™</sup> Guard Cartridge System extends column lifetime.

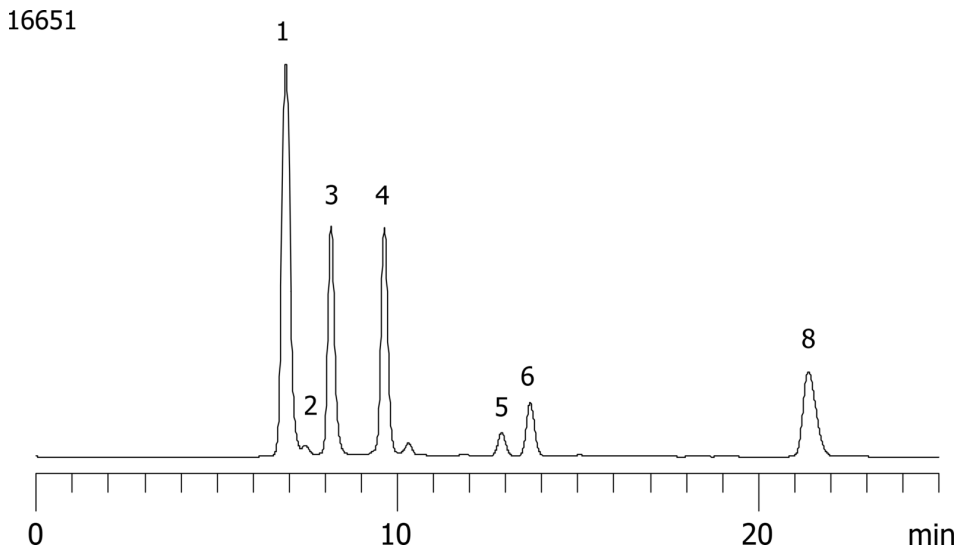
**Analyst Note:**

- SecurityGuard Cartridges, Carbo-H 4 x 3.0mm, 10/Pk Part No.: AJ0-4490

- Holder Part No.: KJ0-4282



Products used in this application:



### ANALYTES:

- |   |             |                          |
|---|-------------|--------------------------|
| 1 | Dp4+        | Retention Time: 6.9 min  |
| 2 | Dp3         | Retention Time: 7.4 min  |
| 3 | Maltose     | Retention Time: 8.1 min  |
| 4 | Glucose     | Retention Time: 9.6 min  |
| 5 | Lactic acid | Retention Time: 12.8 min |
| 6 | Glycerol    | Retention Time: 13.7 min |
| 7 | Acetic acid | Retention Time: 15 min   |
| 8 | Ethanol     | Retention Time: 21.3 min |

