

BioEthanol 18HR Fermentation 3-58-51

Column: RezexTM 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	Step No.	Time (min)	Pct A
Profile:	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

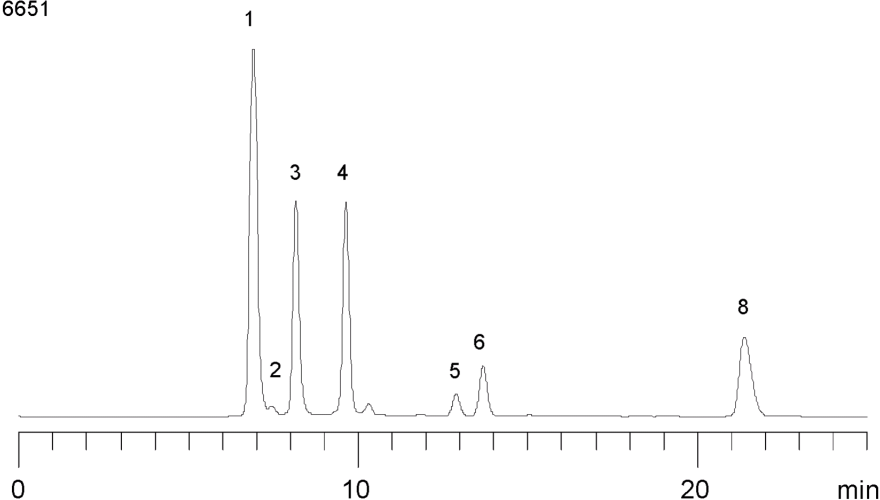
Differential Refractive Index Detector, CBM-20A System Controller, Class-VP Chromatography Data System

Analyst Note: SecurityGuardTM Guard Cartridge System extends column lifetime.

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

- Holder Part No.: KJ0-4282

16651

**REZEX**TM
HPLC COLUMNS for Carbohydrates, Oligosaccharides, and Organic Acid Analysis

Products used in this application:

REZEXTM

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 |

