

Biodiesel Fuels Analysis

new!

Rtx®-Biodiesel TG

- Linearity for all reference compounds exceeds method requirements.
- Alumaseal™ connector provides leak-free connection; guard column extends column life.
- Low column bleed at high temperatures.
- For glycerine and glyceride analysis, according to ASTM D6584 and EN 14105 methods.

Rtx®-Biodiesel TG Columns (fused silica)

ID	df (μm)	temp. limits	10-Meter
0.32mm	0.10	to 330/380°C	10292
10-Meter w/2m x 0.53mm IP Guard Column attached using Alumaseal™ Connector			
ID	df (μm)	temp. limits	10-Meter
0.32mm	0.10	to 330/380°C	10291

MXT®-Biodiesel TG

- Fast analysis times and sharp mono-, di-, and triglyceride peaks.
- Stable at 430°C for reliable, consistent performance.
- Integra-Gap™ built-in retention gap on a 0.53mm ID column eliminates column coupling completely.

MXT®-Biodiesel TG Columns (Siltek® treated stainless steel)

ID	df (μm)	temp. limits	14-Meter w/2m Integra-Gap™**
0.53mm	0.16	-60 to 380/430°C	70289
ID	df (μm)	temp. limits	10-Meter w/2m x 0.53mm retention gap**
0.32mm	0.10	-60 to 380/430°C	70290

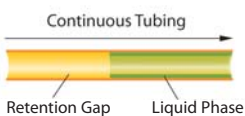
*Total column length=16 meters.

**Connected with low-dead-volume Alumaseal™ connector.

new!

Integra-Gap™ technology.

- Built-in retention gap
- Eliminates connector



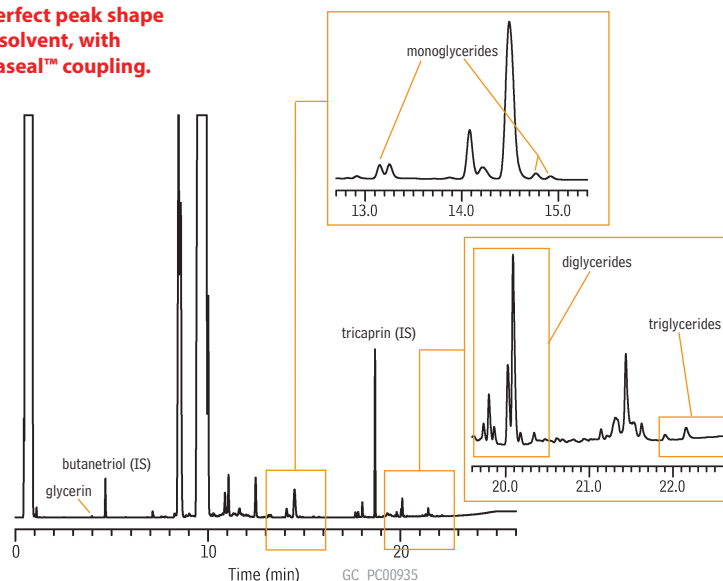
Michelle Long
Innovations Chemist

also available

See pages 678 and 680 for more applications on our new Rtx®-Biodiesel TG and MXT®-Biodiesel TG columns.

Derivatized B100 and internal standards on an MXT®-Biodiesel TG column with 2m x 0.53mm ID retention gap, according to ASTM D6584.

Note perfect peak shape of solvent, with Alumaseal™ coupling.



Column: MXT®-Biodiesel TG, 10m, 0.32mm ID, 0.1μm with 2m x 0.53mm retention gap (cat.# 70290)
 Sample: B100 + IS Butanetriol & Tricaprin derivatized with MSTFA as per ASTM D-6584
 Inj.: 1.0μL cool on-column
 Inj. temp.: oven track
 Carrier gas: hydrogen, constant flow
 Flow rate: 4mL/min.
 Oven temp.: 50°C (hold 1 min.) to 180°C @ 15°C/min., to 230°C @ 7°C/min., to 430°C @ 30°C/min. (hold 5 min.)
 Det.: FID @ 430°C