

## Biodiesel Fuels Analysis

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

- 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 0.53 mm ID column eliminates column coupling completely.

Description	temp. limits	cat.#	price
14m, 0.53mm ID, 0.16µm with 2m Integra-Gap*	-60 to 380/430°C	70289	
10m, 0.32mm ID, 0.10µm	-60 to 380/430°C	70292	
10m, 0.32mm ID, 0.10µm with 2m x 0.53mm Retention Gap**	-60 to 380/430°C	70290	
15m, 0.32mm ID, 0.10µm	-60 to 380/430°C	70293	
15m, 0.32mm ID, 0.10µm with 2m x 0.53mm Retention Gap**	-60 to 380/430°C	70291	
2m x 0.53mm MXT Biodiesel TG		70294	

\*Total column length = 16 meters.

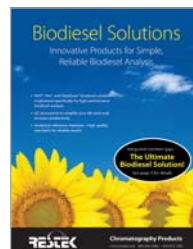
\*\*Connected with low-dead-volume MXT connector.

### Rtx®-Biodiesel TG Columns (fused silica)

- 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 glycerides analysis, according to ASTM D6584 and EN 14105 methods.

Description	temp. limits	cat.#	price
10m, 0.32mm ID, 0.10µm	to 330/380°C	10292	
10m, 0.32mm ID, 0.10µm with 2m x 0.53mm ID Retention Gap	to 330/380°C	10291	
15m, 0.32mm ID, 0.10µm	to 330/380°C	10294	
15m, 0.32mm ID, 0.10µm with 2m x 0.53mm ID Retention Gap	to 330/380°C	10293	

free literature



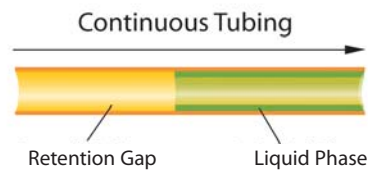
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lit. cat.# 580207

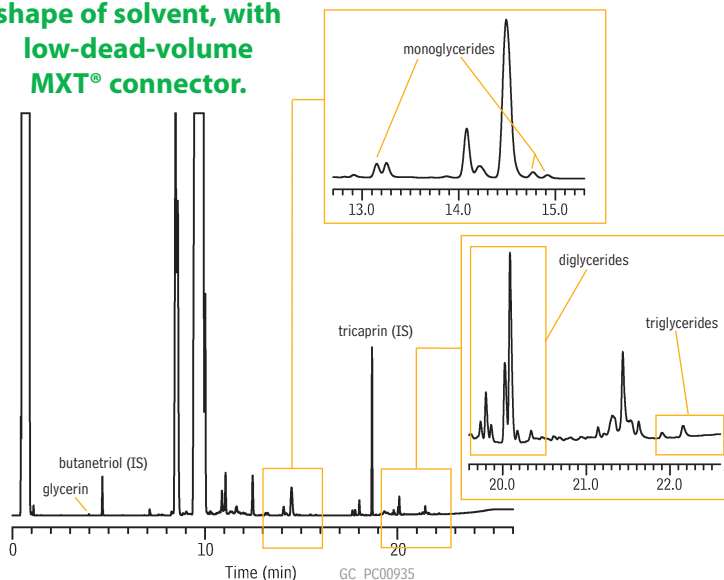
### Integra-Gap® technology

- Built-in retention gap.
- Eliminates connector and leaks.
- Extends analytical column lifetime.



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

Note perfect peak shape of solvent, with low-dead-volume MXT® connector.



Column: MXT®-Biodiesel TG, 10m, 0.32mm ID, 0.1µm with 2m x 0.53mm retention gap (cat.# 70290)  
 Sample: B100 + IS butanetriol & tricaprins 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