MEET
THE HIGHEST QUALITY STANDARDS FROM FEEDSTOCK TO FINAL PRODUCT

The Measure of Confidence

Agilent Biodiesel Analyzers

Global pressure to reduce dependence on fossil fuels drives demand for reliable and sustainable energy sources. To meet demand requires fuel production from renewable feedstocks, and ongoing analysis to evaluate your product's quality and uniformity – while conforming to global standard methods. You must also assess the *environmental* and *financial* impact of biomass harvesting, biodiesel production, and final product consumption.

Confidently optimize and develop scalable processes for confirming biodiesel quality

Agilent Biodiesel Analyzers are based on Agilent's 7890B GC system. Each is factory pre-tested and pre-configured to quickly deliver mission-critical results, while saving you precious start-up time.

Choose from standard configurations, as well as custom analyzers to meet *your* specific requirements for characterizing chemical conversions, monitoring process efficiency, and validating product quality.

Agilent Biodiesel Analyzers include innovative technology and reflect our stringent quality control process. Systems include:

Factory

- System setup and leak testing
- Instrument checkout
- Installation of appropriate column
- Factory-run checkout method using application checkout mix

Delivery

- Instrument manual and Application Note (or chromatogram) for running the method
- CD-ROM with method parameters and checkout data files for easy out-of-the-box operation
- Consumables included – no separate ordering required
- Easy consumables re-ordering information

Installation

- Duplicate factory checkout with checkout sample – onsite by factory-trained support engineer
- Optional application startup assistance

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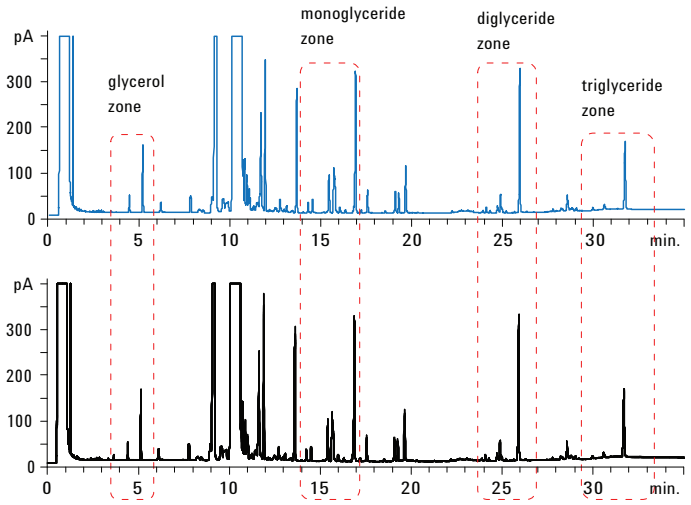
Standard and Custom Biodiesel Analyzers

These "ready-to-go" systems allow producers to monitor process efficiency, and conform to stringent regulations for FAMEs analysis, glycerin and glyceride determination, and trace methanol measurements in finished biofuels.

- **Analyzers are pre-configured and factory tested per a number of standard methods** – including ASTM D6584, EN 14105, EN 14103, EN 14106, EN 14110 and EN 14331 – to ensure that your facility meets compliance and reporting criteria.
- **Each analyzer arrives ready to perform your specific application.** Systems include proven analysis methods and checkout samples that can reduce method development costs by up to 80%.
- **Required columns and supplies are included for "out-of-the-box" setup and operation,** so your laboratory can begin system calibration and performance validation immediately after installation.
- **Optional Deans Switch allows cost-effective, 2-D GC analysis of biodiesel blends per EN 13132-2000.** Co-eluting compounds are separated from target analytes using a second column with a different stationary phase. This configuration conforms to the EN 13132-2000 method.

Part Number	Description	Configured per
G3445B#631	Glycerol and Glycerides in Biodiesel Analyzer	ASTM D6584
7890-0297	Free and Total Glycerol in Biodiesel Analyzer	EN 14105-2011
G3445B#633	FAME Content in Biodiesel Analyzer	EN 14103-2011
7890-0295	Methanol in Biodiesel Analyzer	EN 14110-2003
7890-0307	FAME Content in Biodiesel Blends Analyzer	For biodiesel blends (Reference: EN 14331-2004)
G3445B#632	Five-in-One Biodiesel Analyzer	EN 14105-2003/ASTM D6584, EN 14103-2003, EN 14110-2003, EN 14106-2003



*The **top** chromatogram depicts a single run of a B100 sample prepared using Agilent's 7696A Sample Prep WorkBench. Each zone for glycerol and glycerides quantification is outlined in red. The **bottom** chromatogram overlays 10 separate samples prepared using the 7696A Sample Prep WorkBench.*

Ordering information:

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Visit **www.agilent.com/chem/appkits** for a description of available Analyzers and Application Kits

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