



Filtertechnik

Filtration, Purification &
Separation Solutions

Diesel/Biodiesel Fuel Field Test Kits

VFT Series Kits

Field test kits for diesel and biodiesel fuel to help determine the quality of fuel where it matters most. Prevent costly repairs to equipment due to the presence of contaminants such as water and glycerin.

DESCRIPTION

VFT-0100: Water and Visual Clarity

This is a simple two-part test in which diesel or biodiesel fuel is tested for

- Visual clarity
- Presence of entrained (undissolved) water

Visual clarity testing will often reveal particulates such as sediment, glycerin, or microbial residue. In the second part of the test, a vial of water detection fluid is added to the fuel, allowing the detection of entrained water to as low as 100ppm. At 500ppm, the detection fluid leaves a distinct red ring at the bottom of the sample bottle.

When to use it

This test should be used as an initial screening test for fuel deliveries and for periodic monitoring of fuel quality at the dispenser and storage tanks. It can also be used as a vehicle maintenance diagnostic to detect entrained water (a major cause of blown injector tips). Works for diesel, biodiesel, biodiesel blends.

Results within 5 minutes.

Shelf Life: 12 mo or pink color around cap, whichever occurs first

(The small vial of indicator solution will begin to develop a bit of pink color around the cap at expiration.)

12 tests per unit.

APPLICATIONS

- Diesel fuel
- Biodiesel fuel



VFT-0100 Water & Visual Clarity

VFT-0145: Glycerin Field Test

This is a test for the presence of glycerin in fuel, providing results within the range of 0.05% and 0.5% of mass for biodiesel fuel. This is an enzymatic test that has a greater than 99% correlation with the ASTM methods and it can be used for pure biodiesel and biodiesel blends. Glycerin is a byproduct of biodiesel production and should not be present in the final product (the ASTM specification for B100 is 0.24% of mass). Glycerin is known to be harmful to diesel fuel systems and engines.

When to use it

This test should be used as an initial screening test for fuel deliveries and for periodic monitoring of fuel quality at the dispenser and storage tanks. It can also be used to screen tactical (emergency) vehicles and generators for the presence of biodiesel fuel. Works for pure biodiesel and biodiesel blends.

Results within 15 minutes.

Shelf life: 6 months

6 tests per unit



VFT-0145 Glycerin

VFT-0150: Bio-Detect Field Test Kit

The Bio-Detect Field Test detects the presence of biodiesel in standard (petroleum-based) diesel fuel. This test detects biodiesel at levels as low as 1% (B1) and can be used as a pre-screening test for tactical vehicles such as emergency vehicles, aircraft, or in military applications. This test is also used as part of standard vehicle maintenance to indicate whether biodiesel fuel quality testing is required.

Results within 15 minutes.

Shelf life: 12 months

12 tests per unit



VFT-0150 Bio-Detect



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