FUELSTAT®

ConidiaBioscience

TRIED. TESTED. TRUSTED.

PROVIDES RAPID DETECTION OF MICROBIAL CONTAMINATION IN FUEL.



Distributed by the Official UK Agent:
Centre Tank Services Ltd

CTS CENTRE TANK SERVICES LTD

FUELSTAT®

ConidiaBioscience

TRIED AND TRUSTED GLOBALLY.

Unique innovative solution leads to huge growth of FUELSTAT®

FUELSTAT® PROTECTS

tests sold
120,000
per annum

over
130
countries globally

more than
400
operators

more than
10
major oil companies

FUELSTAT® SAVES

cost reduction, less effort, less time
50%
savings

labour hours saved
+ 1,000,000

AVIATION



MARINE & OFFSHORE



BACKUP POWER GENERATION



DEFENCE



FUEL STORAGE & SUPPLY



TRANSPORTATION



FUELSTAT®

ConidiaBioscience

MICROBIAL CONTAMINATION IN FUEL

If you're a user or supplier of jet or diesel fuels, contamination can pose a serious threat to your business.

Microbial contamination, in particular, is almost always present in fuels to some degree. Left unchecked for too long, it can do serious harm to engines and tanks, and even cause leaks and environmental damage. Diesel "bug" microbial contamination creates a slime called a biofilm or biomass that can induce several issues. If left for a prolonged period of time without treatment, it can cause:

- Blocked filters
- Increased injector wear
- Increased fuel consumption
- Fuel starvation
- Less efficient engine operation
- Engine failures
- Corrosion and tank leakage



HOW DO YOU MANAGE THE RISKS OF FUEL CONTAMINATION?



A single case of fuel contamination, if left unchecked, can easily cost hundreds of thousands of pounds/dollars in damages and remedial activities. Basic fuel maintenance, in comparison, costs relatively little—so it makes good business sense to do these activities. To minimise the risks, there are three key activities you need to do:

- Remove water from tanks
- Manage your fuel supply chain
- **Test for fuel contamination regularly...**

FUELSTAT®

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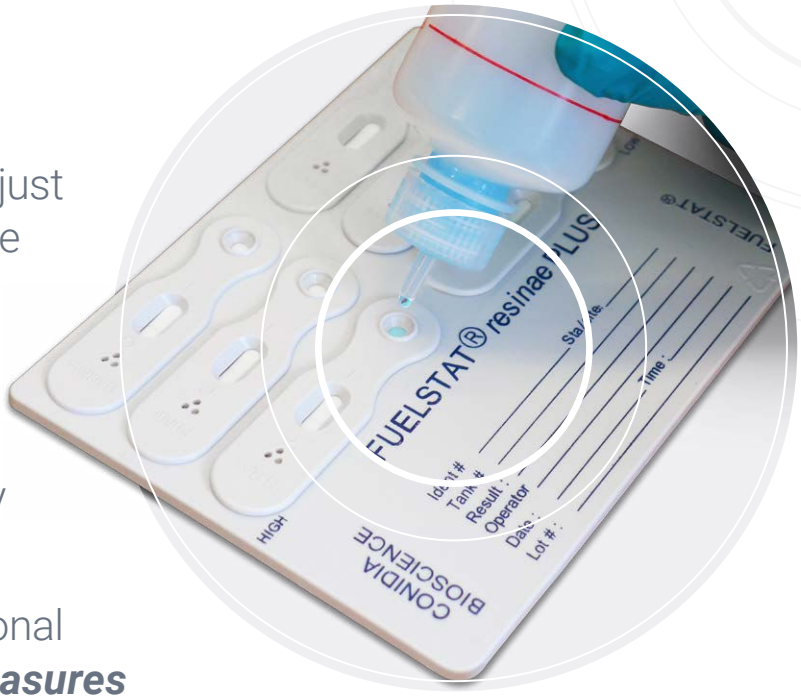
FUELSTAT® PLUS

- The ultra-simple test that just requires ***4 drops*** of sample
- ***15 minutes*** to result as opposed to 4-7 days!
- ***'Test at the tank'*** technology - no laboratory required
- No requirement for additional ***equipment*** or ***sterility measures***



In critical times, you need a fast, convenient testing method - one that doesn't require multiple people to complete the process. Using FUELSTAT®, a single person can conduct tests at the tank after minimal training from our instructional videos. FUELSTAT® is based on immunoassay antibody tests. Just as a pregnancy test searches only for markers of human chorionic gonadotropin, FUELSTAT® only searches for the markers of bacteria and fungi that can grow in jet and diesel fuel and can potentially cause both operational downtime, corrosion and in worse case safety issues.

collect fuel sample from fuel tank



once settled, extract into test bottle

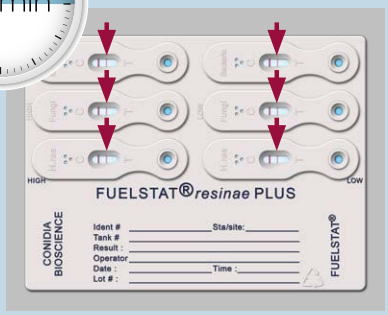


put 4 drops into each test well





wait 10-15 mins read results



ASTM D6469 Standard Guide for Microbial Contamination in Fuels and Fuel Systems:

- ✓ *"Test samples within 4h-24h"*: FUELSTAT enables **testing in 15 minutes**
- ✓ *"Samples must be transported on ice to offsite laboratories"*: 'Test at the tank' technology, so **no special transport requirements**

FUELSTAT® complies with ATSM D8070.

ASTM INTERNATIONAL

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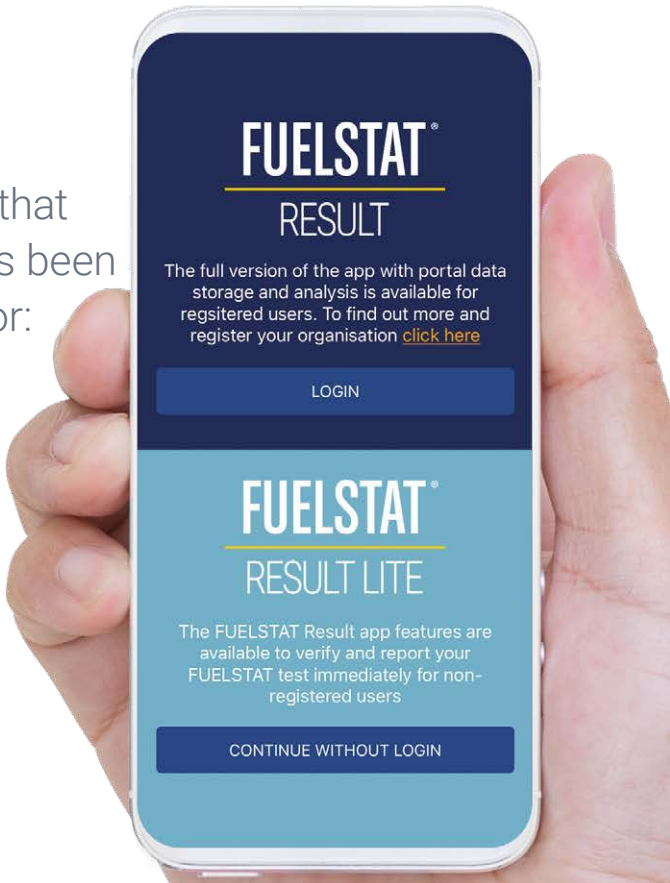
FUELSTAT® RESULT

FUELSTAT® Plus comes with a FREE App that verifies the result instantly after the test has been completed. Use it with your test kit today for:

- ✓ ***Sampling*** guidelines
- ✓ Step-by-step ***video test instructions***
- ✓ Instant test result ***verification***
- ✓ Print or email ***PDF test certificate***
- ✓ ***Storage*** of past results



FUELSTAT® REPORT


FUELSTAT ANALYSIS REPORT ConidiaBioscience

This test for microbiological contamination was conducted on a fuel sample using the FUELSTAT® Plus test kit in accordance with ASTM D8070 and the results reported below were read using the FUELSTAT® Result app.

REGISTERED USER

Registered User:	John Smith	Address:	Bakeham Lane Egham, Surrey
Company name:	ABC Company	Post code:	TW20 9TY
Customer reference:	101	Country:	United Kingdom

TEST DATA

Tester name:	John Smith	FUELSTAT result #:	18,278
Location/Site:	Location 1	Test date:	01-JAN-2021
Asset identity:	Asset 1	Printout date:	01-JAN-2021
Tank Reference:	Tank 1	Phone make:	OnePlus
GPS location:	51.41866 -0.56902	Phone model #:	ONEPLUS A6013
FUELSTAT Test Lot #:	B2101	App version:	2.0.2
		Portal version:	3.0.1

TEST RESULT CONTAMINATION ALERT LEVELS

Bacteria:	NEGLIGIBLE
Fungi:	NEGLIGIBLE
Hormoconis resinae:	NEGLIGIBLE (CAUTION)
OVERALL RESULT:	NEGLIGIBLE

NOTES

A caution on the Negligible alert levels indicates that reading is getting close to the alert level for Moderate Contamination

DISCLAIMER

FUELSTAT® Result is designed for use with tests which are fully compliant with ASTMD8070. However, readings obtained using FUELSTAT® Result are currently outside the scope of ASTM D8070. Operators should visually validate test results as per ASTM D8070. The accuracy of this report may be dependent on the accuracy of the sample provided.

Full terms of use available on the website: www.conidia.com

For any technical assistance telephone: +44 (0)1491 829102

RESULT LIMIT INDUSTRY GUIDELINES

Phase	Target antigen limits	Alert level
Fuel	Up to 150 µg/L	NEGLIGIBLE
Water	Up to 33 µg/ml	
Fuel	Between 150-750 µg/L	MODERATE
Water	Between 33-166 µg/ml	
Fuel	Greater than 750 µg/L	HEAVY
Water	Greater than 166 µg/ml	

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Registered company users of the app have additional access to a web portal that gives a full history of all tests conducted by engineers on their assets around the globe. PDF test reports can be generated and results exported into Excel format for further trend analysis



Download the app by scanning the QR code with your device

- The easy to use app that gives ***immediate visual verification*** of result
- ***Reduces risk*** of misinterpretation
- No need for additional equipment other than a smartphone
- Fully ***detailed report*** can be instantly produced in PDF format

ANDROID APP ON Google play

Download on the App Store

FUELSTAT®

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THE FUELSTAT® SOLUTION AS SIMPLE AS 1-2-3



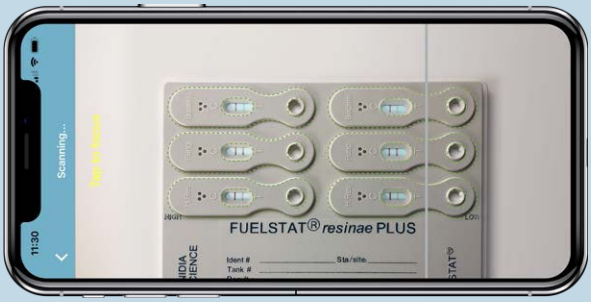
FUELSTAT® PLUS

1

- Accurate results anywhere, carried out by anyone, and learned in minutes
- Immediate decisions can be made without delay
- Results within 15 minutes

FUELSTAT® RESULT

2



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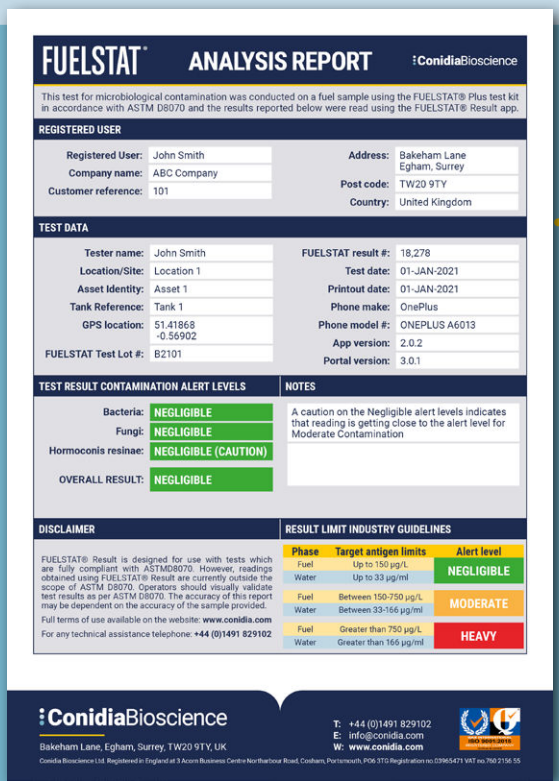

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FUELSTAT® REPORT

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- Traceability of testing
- Identification of hotspots for planning
- ***Proof of test, proof of result, proof of method***

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WHAT'S IN THE TEST KIT?

Each foil packed test kit contains:

- Test Plate
- Sample Extraction Bottle
- Syringe & Extraction Tube
- Instruction Leaflet
- Alcohol Wipe

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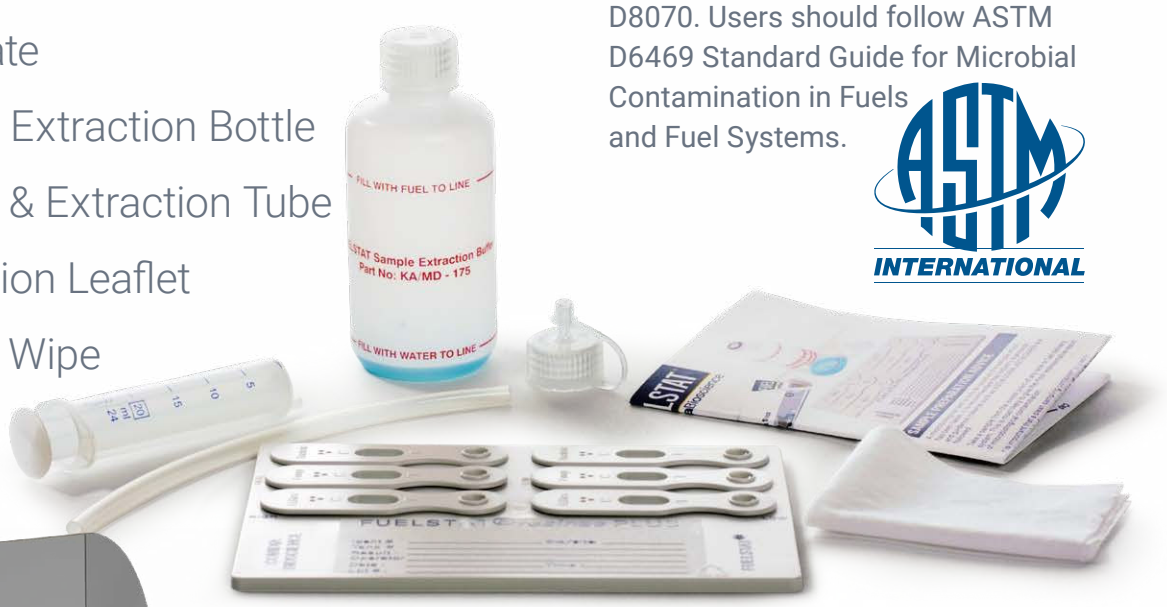




Single boxed test kit





Boxes of 8 test kits

ORDERING IS SIMPLE

Test kits are available either boxed singly, or in boxes of 8 to suit your fuel type

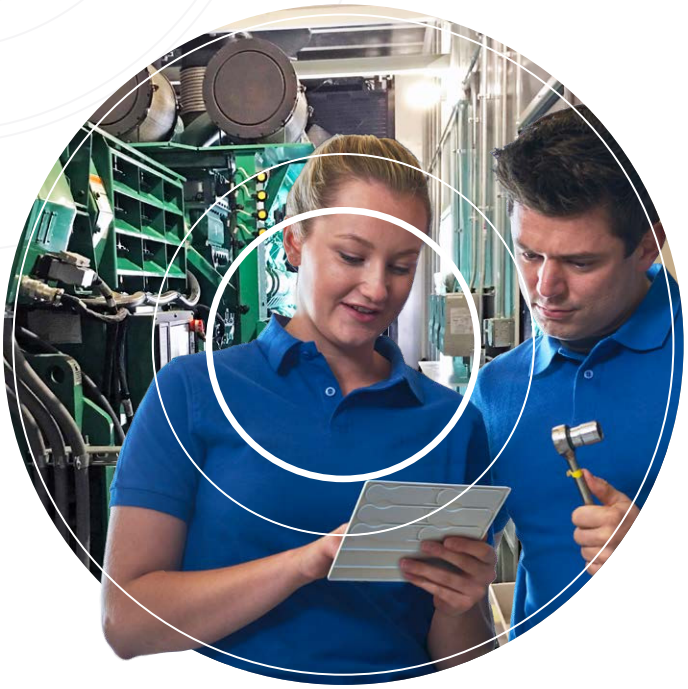
	Aviation / Jet Fuels	Diesel / Middle Distillate Fuels
Single boxed test kit	HR-2-011B	MD-011B
Boxes of 8 test kits	FHR8-2	FMD8

FUELSTAT®
ConidiaBioscience

FUELSTAT®

Who we are:

FUELSTAT® fuel tests are developed, manufactured and marketed by Conidia Bioscience Ltd. Based in UK, Conidia Bioscience was founded in the early 2000's by experts in immunoassay techniques and holds the internationally patented intellectual property for FUELSTAT®.



Where to find us:

FUELSTAT® is distributed globally by a network of specialist distributors covering the major sectors. To arrange for a distributor to support you simply contact info@conidia.com.

ASTM INTERNATIONAL

FUELSTAT® complies with ATSM D8070 and ASTM D6469 Standard Guide for Microbial Contamination in Fuels

STRATEGIC PARTNER IATA INTERNATIONAL AIR TRANSPORT ASSOCIATION

FUELSTAT® is listed as a recommended product by IATA. Conidia Bioscience is a Strategic Partner with IATA

HEADQUARTERS & GLOBAL SALES OFFICE

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