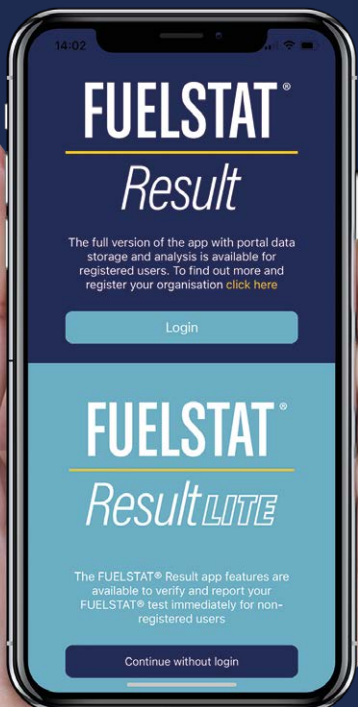


NEW

**FUELSTAT<sup>®</sup>**  
: ConidiaBioscience

# FUELSTAT<sup>®</sup>One

**PROVIDES RAPID  
DETECTION OF  
MICROBIAL  
CONTAMINATION  
IN FUEL.**



[WWW.CONIDIA.COM](http://WWW.CONIDIA.COM)

## TRIED AND TRUSTED GLOBALLY.

Unique innovative solution leads to huge growth of FUELSTAT®

### FUELSTAT® PROTECTED

tests sold up to  
**135,000**  
per annum

over  
**130**  
countries  
globally

more than  
**400**  
operators

more than  
**10**  
major oil  
companies

### FUELSTAT® SAVED

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



## 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...**

**NEW**

# FUELSTAT<sup>®</sup>One

- The ultra-simple test that just requires **4 drops** of extracted sample
- **Quantitative** result in **30 mins** 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<sup>®</sup>, a single person can conduct tests at the tank after minimal training from our instructional videos. The FUELSTAT<sup>®</sup> One test is based on protein-ligand complex formation, targeting a mix of carbohydrates from a broad range of micro-organisms found in fuels, in a simple, rapid lateral flow test. Just as a Covid-19 lateral flow test searches for markers of Covid-19 infection, FUELSTAT<sup>®</sup> One 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**



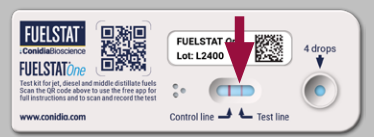
**once settled, extract into test bottle**



**put 4 drops into test well**



**wait 15-20 mins scan results**



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

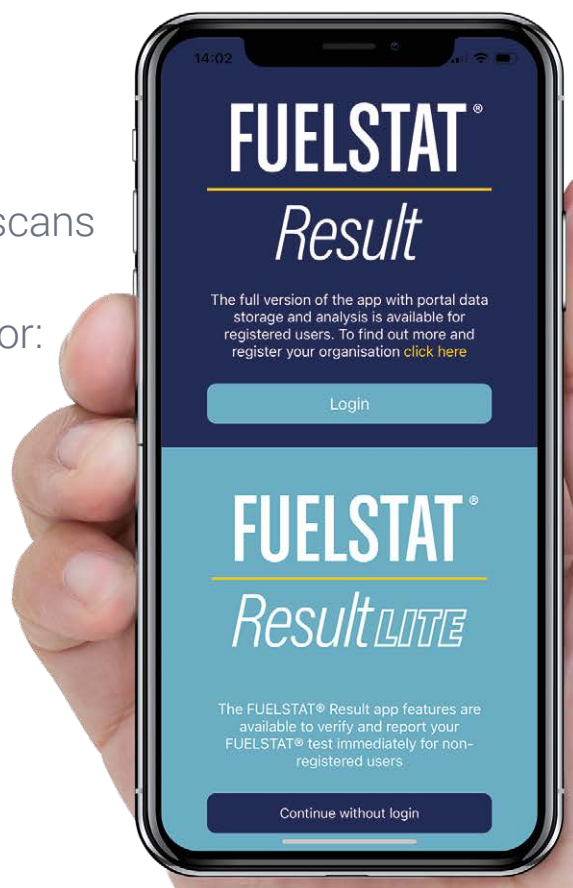
- ✓ "Test samples within 4h-24h": FUELSTAT enables **testing in 30 minutes**
- ✓ "Samples must be transported on ice to offsite laboratories":  
'Test at the tank' technology, so **no special transport requirements**



## FUELSTAT<sup>®</sup>Result

FUELSTAT<sup>®</sup> comes with a FREE App that scans 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<sup>®</sup>Report



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



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



### FUELSTAT<sup>One</sup>

1

- Accurate quantitative results anywhere, carried out by anyone, and learned in minutes
- Immediate decisions can be made without delay
- Results within 30 minutes

### FUELSTAT<sup>Result</sup>

2

- Reduces risk of misinterpretation
- Immediate visual verification of result
- No need for additional equipment other than a smartphone



3

### FUELSTAT<sup>Report</sup>

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



FUELSTAT <sup>One</sup> ANALYSIS REPORT		ConidiaBioscience	
<small>This test for microbiological contamination was conducted on a fuel sample using the FUELSTAT<sup>One</sup> test kit and the results reported below were read using the FUELSTAT<sup>Result</sup> app.</small>			
<b>REGISTERED USER</b>			
Registered User:	Joe Bloggs	Address: Bakeham Lane Egham	
Company name:	ABC Company Ltd	Post code: N/A	
Customer reference:	101	Country: United Kingdom	
<b>TEST DATA</b>			
Fuel Type:	Diesel or other middle distillate fuel	FUELSTAT result #:	18,278
Sample Type:	Free water phase sample	FUELSTAT Test Lot #:	L2400
Tester name:	No entry by tester	Test date:	05-NOV-2020
Location/Site:	No entry by tester	Printout date:	05-NOV-2020
Asset Identity:	No entry by tester	Phone make:	OnePlus
Tank Reference:	No entry by tester	Phone model #:	ONEPLUS A6013
GPS location:	25°15'14.2"N 55°22'52.5"E	App version:	1.3.3
Portal version:	1.3.3		
<b>TEST RESULT CONTAMINATION ALERT LEVEL</b>		<b>NOTES</b>	
OVERALL RESULT:	<b>NEGLECTIBLE CONTAMINATION</b>		
Relative carbohydrate concentration in the sample:	XX ng/mL		
<b>DISCLAIMER</b>		<b>CONTACT</b>	
<small>FUELSTAT<sup>Result</sup> app is designed for use with FUELSTAT<sup>One</sup> lateral flow tests. Readings obtained using the FUELSTAT<sup>Result</sup> app are dependent on the make and model of phone / device used and their correct operation. The accuracy of this report may also be dependent on the accuracy of the sample provided.</small>		<small>Full terms of use available on the website: <a href="http://www.conidia.com">www.conidia.com</a> For any technical assistance telephone: +44 (0)1491 829102</small>	

# WHAT'S IN THE TEST KIT?

Each boxed test kit contains:

- Foil Packed Test Cassette
- Sample Extraction Bottle
- Syringe & Extraction Tube
- Instruction Leaflet
- Blue Nitrile Gloves



Single boxed test kit



## ORDERING IS SIMPLE

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

Boxes of 8 test kits

Single boxed test kit

Boxes of 8 test kits

Aviation / Jet Fuels	Diesel / Middle Distillate Fuels
HR-3-011B	MD-3-011B
FHR8-3	FMD8-3

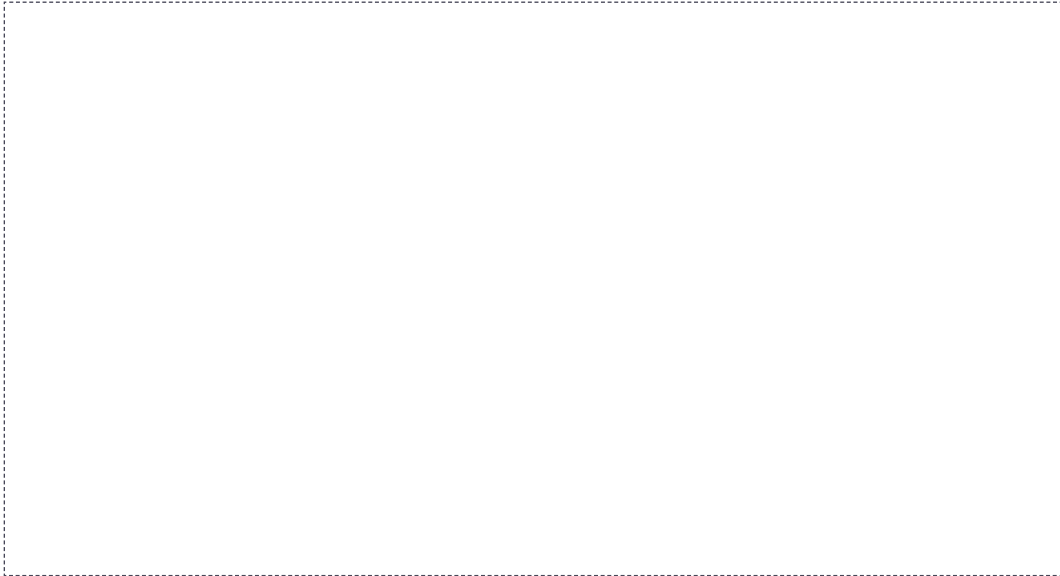
## FUELSTAT®

### 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](mailto:info@conidia.com).



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