

FUELSTAT®

ConidiaBioscience

FUELSTAT® RESULT

The full version of the app with portal data storage and analysis is available for registered users. To find out more and register your organisation [click here](#)

LOGIN

FUELSTAT® RESULT LITE

The FUELSTAT Result app features are available to verify and report your FUELSTAT test immediately for non-registered users

CONTINUE WITHOUT LOGIN



GUIDELINES:

Instructions for use of the FUELSTAT® Result App

Helps with both the interpretation of the FUELSTAT® test and the collection of data in an easy-to-use format. The app provides digital verification of test results without paper, reducing the risk of incorrect interpretation, as well as central storage of data for compliance and possible trend analysis.

ConidiaBioscience

Bakeham Lane, Egham, Surrey, TW20 9TY, UK

Conidia Bioscience Ltd. Registered in England at 3 Acorn Business Centre Northarbour Road, Cosham, Portsmouth, PO6 3TG Registration no.03965471 VAT no.760 2156 55

T: +44 (0)1491 829102

E: info@conidia.com

W: www.conidia.com



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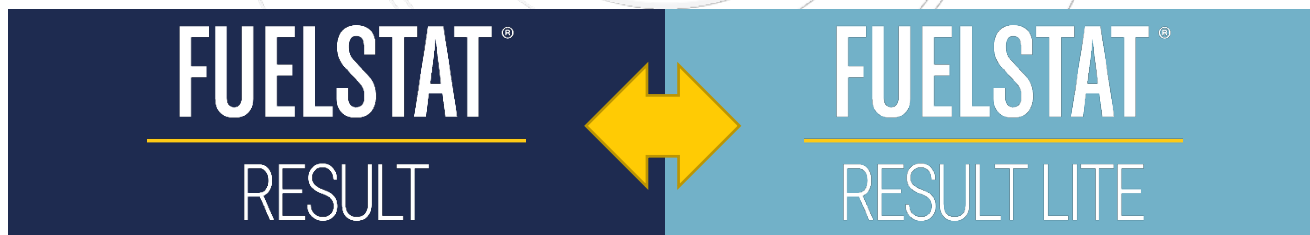
Background

FUELSTAT® Result is a smartphone-based app on iOS and Android that helps with both the interpretation of the FUELSTAT® test and the collection of data in an easy-to-use format. The app provides digital verification of test results without paper, reducing the risk of incorrect interpretation, as well as central storage of data for compliance and possible trend analysis.

The app is intended to support the manual reading of the test and as a way of recording the information to a central point from anywhere in the globe within seconds. Users should always read the test manually prior to using the app, which will verify the result and record the data to a web-based central location.

Link to Instructional FUELSTAT® Videos: [click here](#)

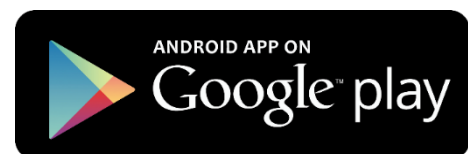
FUELSTAT® Result v FUELSTAT® Result Lite



1. **FUELSTAT® Result Lite:** First time users can now use the app for *FREE without prior registration*, just download to your device and start using immediately to verify your test result.
2. **FUELSTAT® Result:** Organisations can register and provide their users a unique login that gives *FREE access to the portal to analyse all their results from a central database*.
3. All features of the app are available for registered and Lite users.

Download and install the FUELSTAT® Result app

The app can be downloaded here:

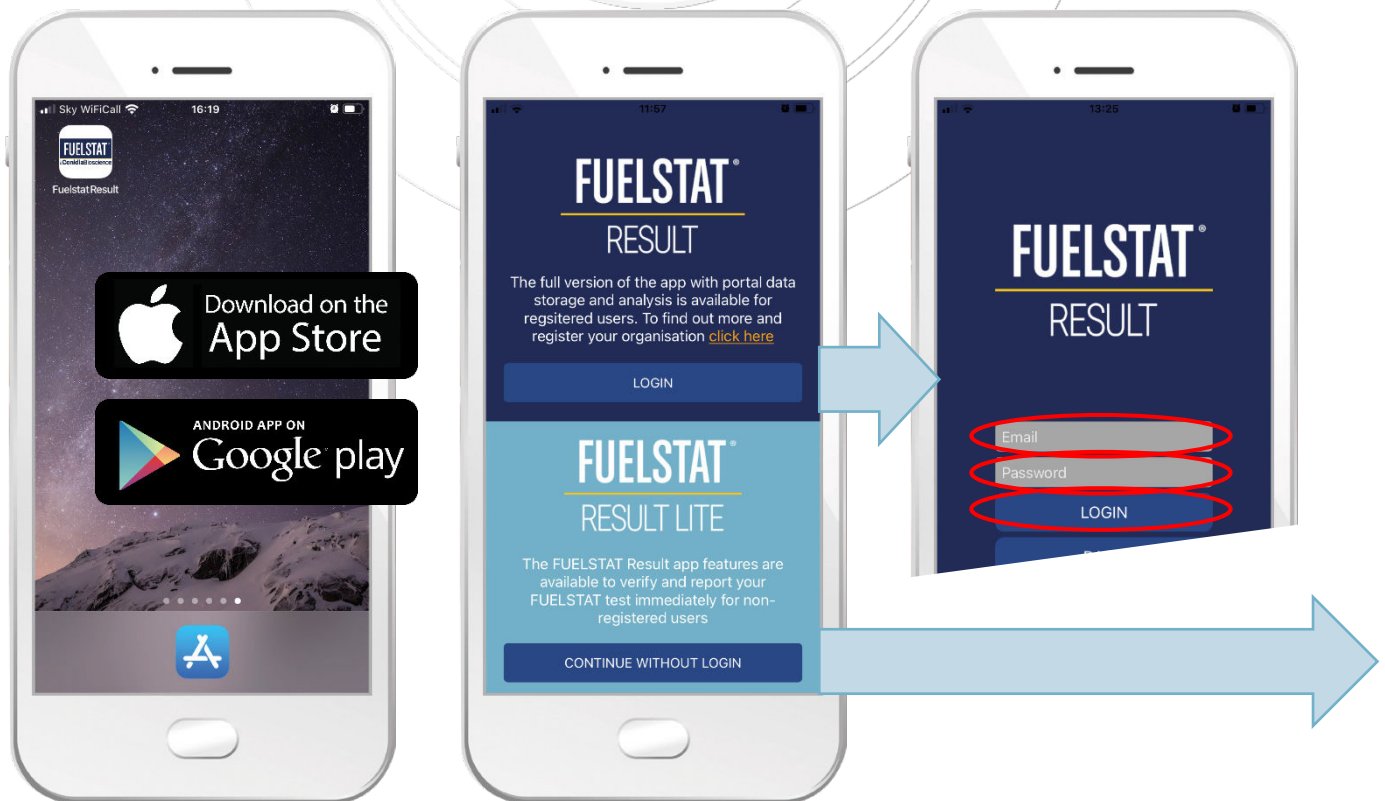


<https://conidia.com/fuel-testing-kits/fuelstat-result-app/#register>

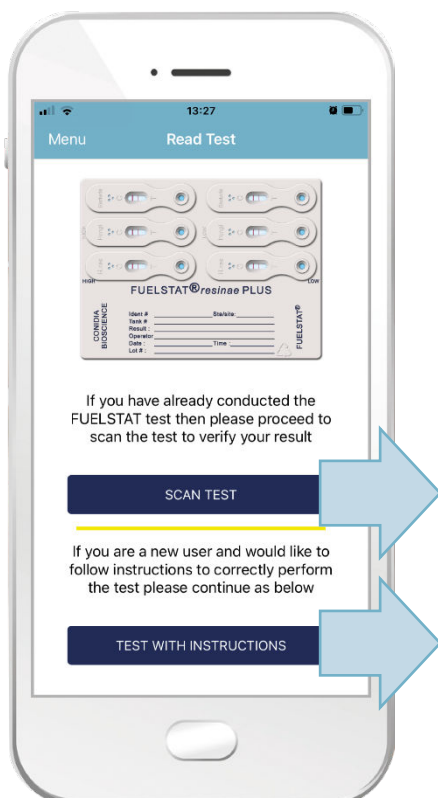
The FUELSTAT® app is designed to work on the following models:
iPhone 6 onwards, iPad Pro, Samsung Galaxy 6 onwards.

The app has also been used successfully by most other modern brands and models of smartphones and tablets running on an Android platform, so long as the camera uses a similar API and that they have an LED flash that can be controlled by the app software. If you have any problems with use of your particular device, then please contact info@conidia.com

Install and open app



Option to follow test instructions



When you are in the app you have the option to either just scan to verify a completed test, or conduct the test following step-by-step instructions prior to scanning.

Select **SCAN TEST** to scan a completed test. For first time or occasional users you can opt to **TEST WITH INSTRUCTIONS** which will take you through the correct procedure for optimal test results, this includes optional notes on correct sampling of fuels. When you proceed with the test instructions then the test procedure is broken down into 6 simple video stages which you can follow and pause whilst conducting the test.

Stage 5 starts a counter which will allow the optimum time for the test to develop before reading the result. At this stage you can leave the test running and even operate other apps on your smartphone. An alert will be given when the time is up for you to return back to the next stage of the test.

When the test instructions are completed you will then proceed to the same "scan test" stage as if you had selected to bypass the test instructions.

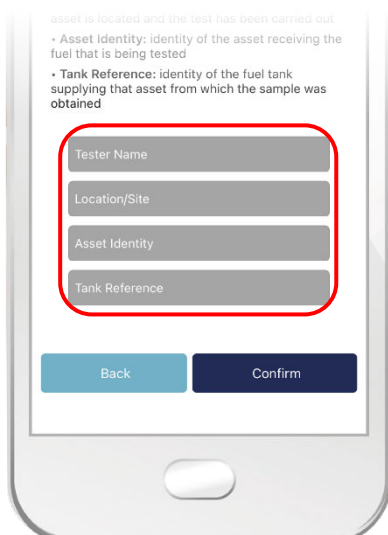
Scan test

Before scanning the test kit, the FUELSTAT® test must have been completed correctly, with the test plate left for 10-15 minutes to allow time for lines to appear. The test kit should be read by eye in accordance with the instructions provided in each test kit and the results recorded prior to scanning the test using the app.

Note: the FUELSTAT® test kit is a calibrated device and the results obtained by manual reading. The FUELSTAT® Result app is used to verify, record, and share these results, but if there is any issue or discrepancy then **the calibrated manual result must always be taken as correct.**

The first step is to identify the test kit production batch.

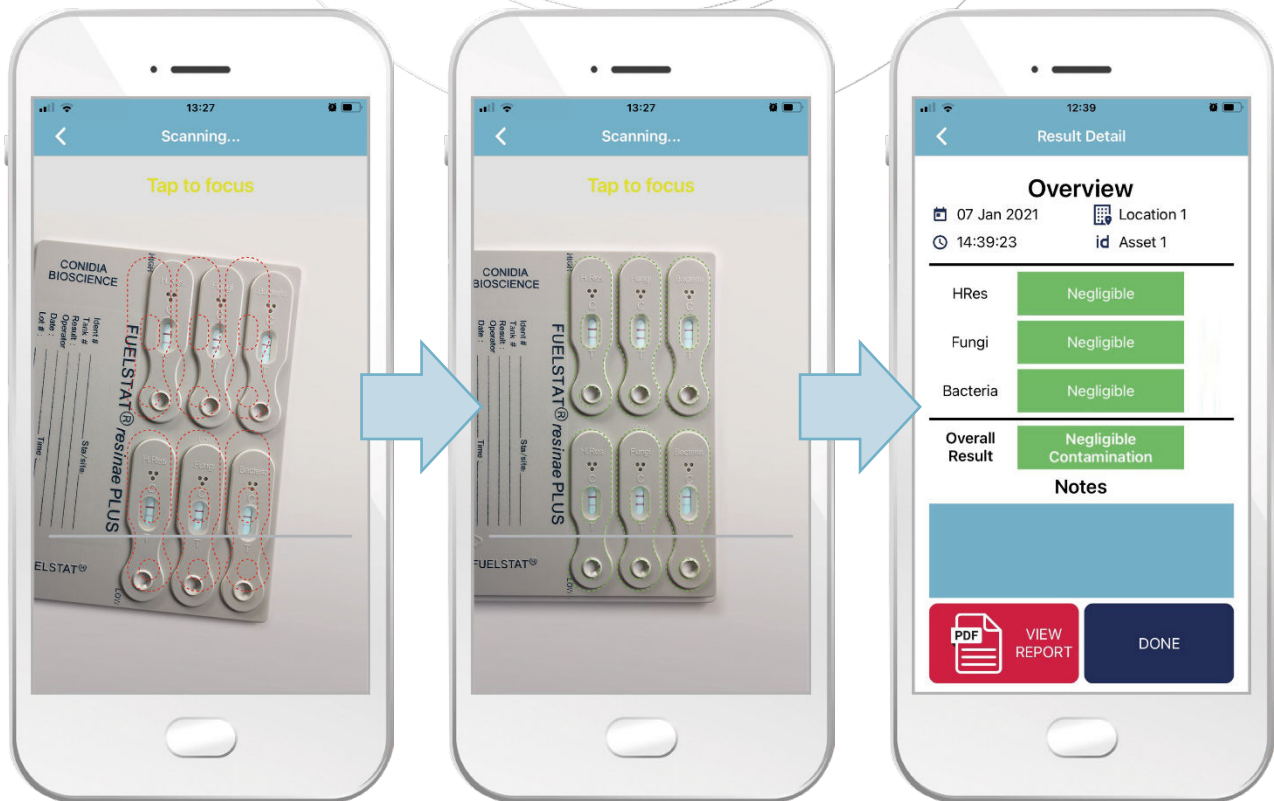
Newer kits have a Datamatrix code on the foil packaging or reverse of the test plate which can be scanned. Do not worry if your kit does not have this Datamatrix code, simply type in the batch lot number displayed on the label on the foil packaging.



You then have optional information that can be completed.

It is advisable to enter these accurately to ensure that the asset being tested can be clearly identified when the test result is shared, and for future reference.

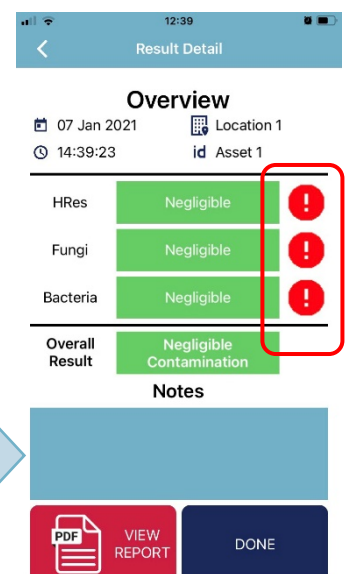
The app is now ready to scan your test results, hold the phone over the FUELSTAT® test plate. You will see red outlines. Move the test closer or pull back until the outlines turn green and the test is scanned.



Once the scan is complete the app shows the results. The overall result will be split into the following categories. **Verify this agrees with manual reading of the test kit:**

Negligible Contamination
Moderate Contamination
Heavy Contamination

If there is an alert symbol adjacent to the test result for any of the contaminants, then this means that the result was close to the threshold for a higher degree of contamination.



You have the option of putting any notes here on the test.

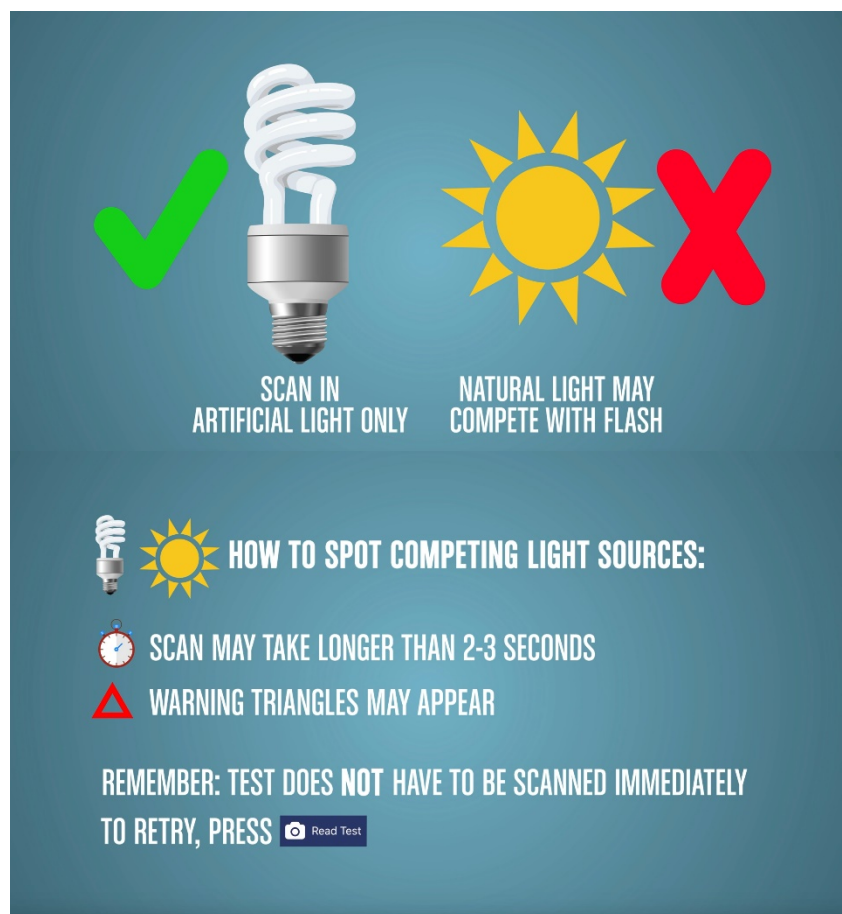
Troubleshooting when scanning a test

Note: for optimum results it is best to scan the test kit using the app within 30 minutes of manual reading of the results, although this can be extended if the test kit is kept in cool dark conditions.

Please note that the camera's flash will be turned on automatically when the scanning phase is initialized. It is important not to block the flash while scanning is carried out.

It is best to scan the test in artificial light only, as any natural light, including daylight through windows, may compete with the flash and give an uncertain result.

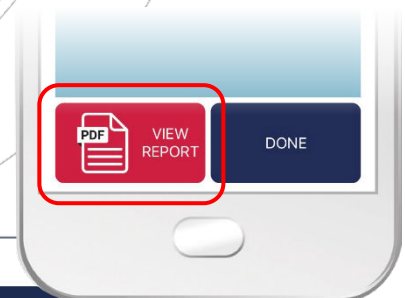
The flash will be automatically activated by the app. It is easy to know if there are competing light sources. The scan itself may take longer than the usual two to three seconds and may have warning triangles indicating difficulty in reading. If this happens, remember that the test does not have to be scanned immediately.



If you wish to retry, simply press **Read Test** from the menu side bar to reset. If for any reason you have a non-functioning smartphone, continue to manually read the test kit. Full printed instructions on completing the test and interpreting the test result are included in every test pack, and in multiple languages from the conidia.com website.

Capture and share information to your Manager

A PDF report can be generated containing the full test result, you have the option to print this or to email to yourself or manager as an instant record of the test result.

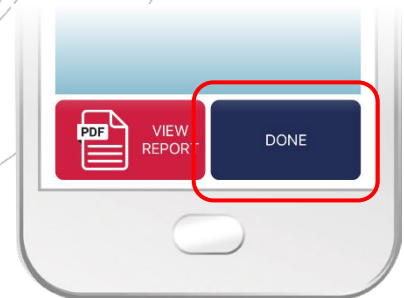


FUELSTAT® ANALYSIS REPORT		ConidiaBioscience																		
This test for microbiological contamination was conducted on a fuel sample using the FUELSTAT® Plus test kit in accordance with ASTM D8070 and the results reported below were read using the FUELSTAT® Result app.																				
TEST DATA																				
Tester name:	John Smith	Test date:																		
Location/Site:	Location 1	Printout date:																		
Asset Identity:	Asset 1	Phone make:																		
Tank Reference:	Tank 1	Phone model #:																		
GPS location:	25°15'14.2"N 55°22'52.5"E	App version:																		
FUELSTAT Test Lot #:	B2101																			
TEST RESULT CONTAMINATION ALERT LEVELS		NOTES																		
Bacteria:	NEGLECTIBLE	A caution on the Negligible alert levels indicates that reading is getting close to the alert level for Moderate Contamination																		
Fungi:	NEGLECTIBLE																			
Hormoconis resinae:	NEGLECTIBLE (CAUTION)																			
OVERALL RESULT:	NEGLECTIBLE																			
DISCLAIMER		RESULT LIMIT INDUSTRY GUIDELINES																		
FUELSTAT® Result is designed for use with tests which are fully compliant with ASTM D8070. 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		<table border="1"> <thead> <tr> <th>Phase</th> <th>Target antigen limits</th> <th>Alert level</th> </tr> </thead> <tbody> <tr> <td>Fuel</td> <td>Up to 150 µg/L</td> <td rowspan="2">NEGLECTIBLE</td> </tr> <tr> <td>Water</td> <td>Up to 33 µg/ml</td> </tr> <tr> <td>Fuel</td> <td>Between 150-750 µg/L</td> <td rowspan="2">MODERATE</td> </tr> <tr> <td>Water</td> <td>Between 33-166 µg/ml</td> </tr> <tr> <td>Fuel</td> <td>Greater than 750 µg/L</td> <td rowspan="2">HEAVY</td> </tr> <tr> <td>Water</td> <td>Greater than 166 µg/ml</td> </tr> </tbody> </table>	Phase	Target antigen limits	Alert level	Fuel	Up to 150 µg/L	NEGLECTIBLE	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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Water	Greater than 166 µg/ml																			

Completion of test

When you have completed the test press the **Done** button and the test will be saved to your device.

If you are a registered user the result will be instantly uploaded to the Portal, if connected to Wi-Fi or mobile data, or will be uploaded the next time the phone is connected.



Test Result History

There are several options available for you in the side bar Menu on your device within the app. The **Result History** tab will save your last 10 recorded test results on the app. From there you can select a previous test result and once again view, email and print the PDF report.



APPENDIX 1: ORGANISATION & USER REGISTRATION

How to sign up to use FUELSTAT® Result app and Portal

Register with Conidia Bioscience by emailing info@conidia.com and provide the following information: -

4. Company Name
5. Company Address
6. Full Name of App Administrator (Manager)
7. Email Address of Administrator (Manager)


How to add a new user in the FUELSTAT® Result web Portal

Step 1: You will receive an email from admin@fuelstat-results.com, this will contain instructions and a password - we recommend that you have enabled admin@fuelstat-results.com as white listed through your IT department, as we are currently unable to resend the email once it has been inputted into the system and will result in that email address being locked out of the system. Your username will be your email address provided.

Paste or type the following link into your Web Browser: -

<https://fuelstat-results.com/auth/login/>

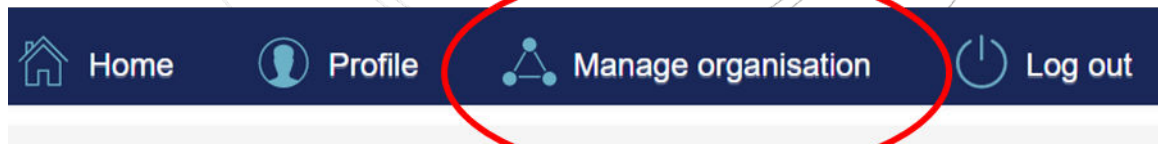
This will open the FUELSTAT® Result web page. Log in with your username and password, you may now reset your own memorable password.



Log in

[reset password](#)

Step 2: On the dark blue banner at the top of the screen, click the Manage Organisation tab. This will open your organisation.

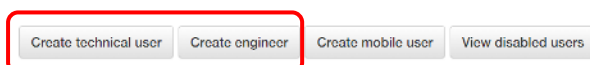


Step 3: On the bottom left side of the screen, click the Create Technical User or Engineer: -

- **Technical User** (for use of Phone App and all Organisation results in portal)
- **Engineer** (for use of Phone App and view portal with their tests only)

User	Email	User type
ABC Manager	tfrow+abcmanger@novarumdx.com	Manager
Technical Manager	tfrow+abctechical@novarumdx.com	Technical
Fred Brown	tfrow+fb@novarumdx.com	Engineer
John Smith	tfrow+js@novarumdx.com	Engineer

Previous 1 Next



Step 4: Enter the name and email address of either the **Engineer or Technical User** and click the submit button. The new Engineer will then be sent an automated email, which will take them through the details to set up their password. The new Engineer will now be visible in the Manage Organisation tab.

Create Engineer

Email address:

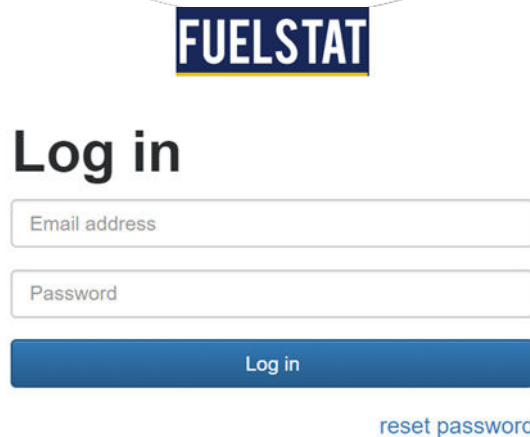
Name:

Note: Please check your junk/spam folders for this email, as we are currently unable to resend the email once it has been inputted into the system and will result in that email address being lock out of the system.

APPENDIX 2: USING THE PORTAL

How to view results in the FUELSTAT® Result web Portal

Step 1: Go to the FUELSTAT® Result login in page: <https://fuelstat-results.com/auth/login/> and input the email address and password.



FUELSTAT

Log in

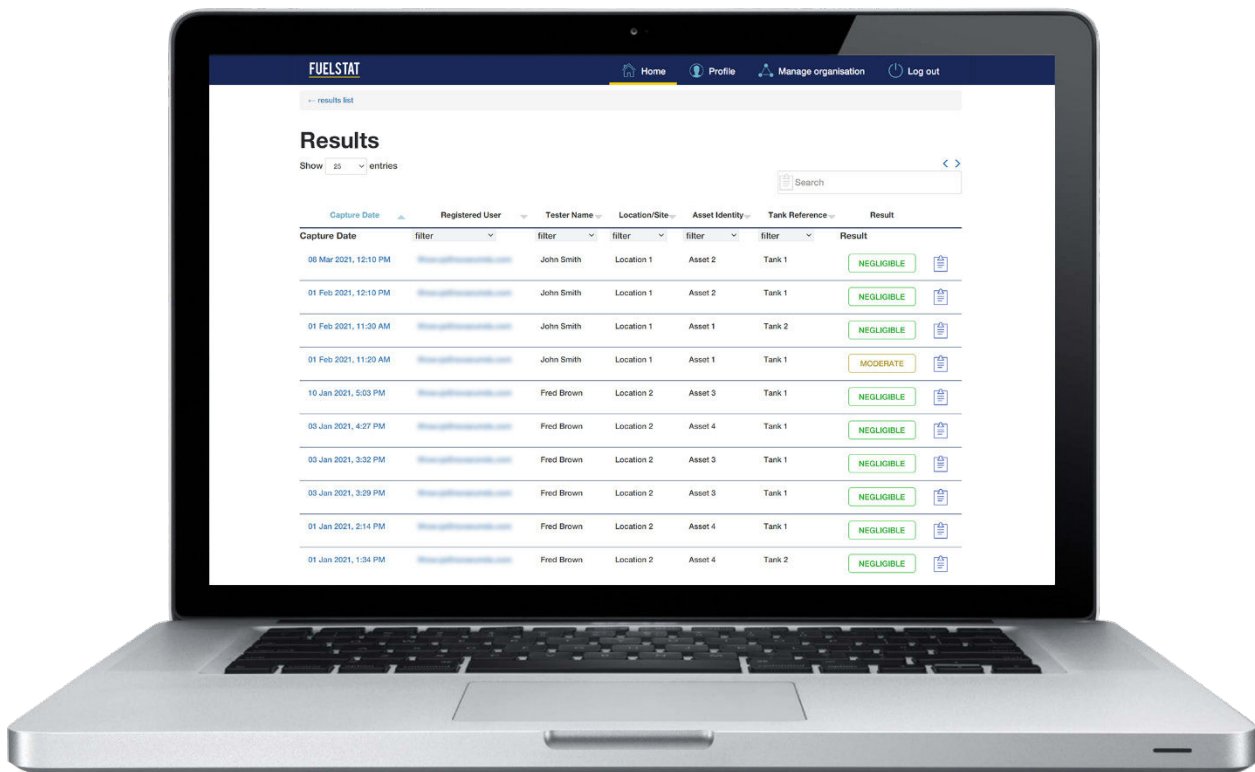
Email address

Password





Log in

[reset password](#)

Step 2: Click the Home tab at the top of the screen to open the list of your test data.



Step 3: View your data. Further information is available by clicking the blue clip board icon on the far right of each data entry.

Capture Date	Registered User	Tester Name	Location/Site	Asset Identity	Tank Reference	Result	
Capture Date	filter	filter	filter	filter	filter	Result	
08 Mar 2021, 12:10 PM		John Smith	Location 1	Asset 2	Tank 1	NEGLIGIBLE	
01 Feb 2021, 12:10 PM		John Smith	Location 1	Asset 2	Tank 1	NEGLIGIBLE	
01 Feb 2021, 11:30 AM		John Smith	Location 1	Asset 1	Tank 2	NEGLIGIBLE	
01 Feb 2021, 11:20 AM		John Smith	Location 1	Asset 1	Tank 1	MODERATE	

Step 4: Each data entry looks like this:

View result

Registered user details

Capture Date: March 8, 2020, 1:05 p.m.
 Device: OnePlus ONEPLUS A6013
 Company Name: ABC Company
 Registered User: John Smith
 Tester Name: John Smith
 Location/Site: Location 1
 Asset Identity: Asset 1
 Tank Reference: Tank 1
 FUELSTAT Test Lot #: B2101
 Comments: Data not supplied

User entry fields

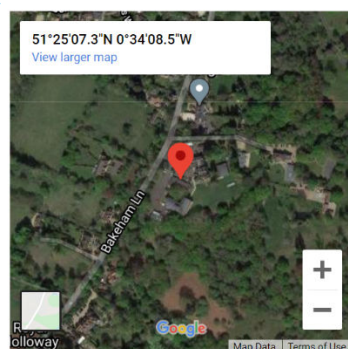
H.res: NEGLIGIBLE
 Bacteria: NEGLIGIBLE
 Fungi: NEGLIGIBLE
 Overall outcome: NEGLIGIBLE

Test results for each contaminant and overall outcome

PDF print, edit and archive tools

 [EDIT USER ENTRY FIELDS](#)
[ARCHIVE THIS RESULT](#)

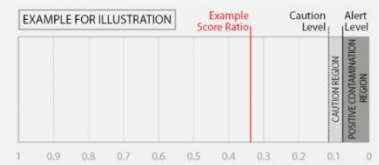
GPS coordinates of where the test was performed




Understanding your results

FUELSTAT® Result produces not only a clear result but also, by optical analysis of line intensity, produces ratios based on the actual score of each test window (there are 6), calculated by dividing the Test Line Score by the Control Line Score. These Actual Score Ratios are useful in understanding how each test window relates to the Alert Levels that are based on industry guidelines for the ranges of Negligible, Moderate and Heavy Contamination. Also, each test window has a new Caution Level that indicates to users that the window in view is getting close to the Alert Level and remedial maintenance action may be worthwhile at this point.

This illustration shows an example of how the Actual Score Ratio relates to both the Caution Level and the Alert Level.



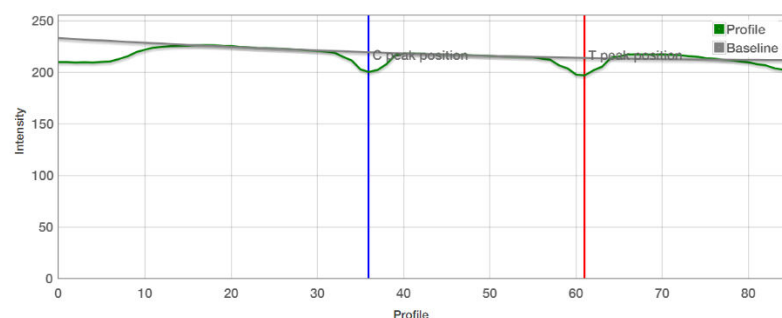
FUELSTAT® Result is intended as a guide only, as true results could be affected by lighting, phone used etc., but could help in making maintenance decisions easier and at correct times.

High Bacteria	High Fungi	High H.res	Low Bacteria	Low Fungi	Low H.res
					
Test Line Score: 16.87 (The intensity of the Test Line on the right) Control Line Score: 19.20 (The intensity of the Control Line on the left) Actual Score Ratio: 0.879 (A ratio of the Test Line Score / Control Line Score) Alert Level: 0.07 (Actual Score Ratio < Alert Level = positive contamination result) Caution Level: 0.11 (Actual Score Ratio between Caution and Alert Level = caution)					

Detailed information for each contaminant with actual score and alert levels

Data for app developer analysis only

The following graph and data points are used by app developers to assess the test line positions in each test window



Step 5: Print or save PDF Analysis Report:



FUELSTAT® ANALYSIS REPORT		ConidiaBioscience																		
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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:	25°15'14.2"N 55°22'52.5"E	Phone model #: ONEPLUS A6013																		
FUELSTAT Test Lot #:	B2101	App version: 2.0.2																		
		Portal version: 3.0.1																		
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Bakeham Lane, Egham, Surrey, TW20 9TY, UK

Conidia Bioscience Ltd. Registered in England at 3 Acorn Business Centre Northbour Road, Cosham, Portsmouth, PO6 3TG Registration no.03965471 VAT no.760 2156 55

T: +44 (0)1491 829102
E: info@conidia.com
W: www.conidia.com



Step 6: Edit user entry fields. This is the data entered by the tester within the app when conducting the test. Should you wish to edit / correct that information then you can do this here:

EDIT USER ENTRY FIELDS

Edit result

Tester Name:	<input type="text" value="Fred Brown"/>
Location/Site:	<input type="text" value="Location 2"/>
Asset Identity:	<input type="text" value="Asset 3"/>
Tank Reference:	<input type="text" value="Tank 1"/>
FUELSTAT Test Lot #:	<input type="text" value="B2101"/>
Comments:	<input type="text" value="Test following clean & biocide, now showing negligible contamination"/>

Submit

Step 7: Archive result. If the test has been duplicated, or is no longer required, you can archive individual results. Any archived results can also be un-archived.

ARCHIVE THIS RESULT

Who we are:

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

FUELSTAT® Result is hosted by Conidia Bioscience Limited and its service partners on secure servers and does not share any data with third parties.

Where to find us:

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

HEADQUARTERS & GLOBAL SALES OFFICE

Conidia Bioscience Ltd
Bakeham Lane, Egham,
Surrey, TW20 9TY, UK
+44 (0)1491 829102
info@conidia.com

**Conidia
Bioscience**
WWW.CONIDIA.COM

US SALES OFFICE

Conidia Bioscience Inc
15 Briarwood Ln, Dover,
NH, 03820, USA
+1 407 616 0315
info@conidia.com