

Advanced ATP Test System Guided Test Procedure

swipe to proceed...





ATPEXP2S-GuidedTest-vA



Guided Test Procedure

This is an interactive, guided, Step-By-Step instruction manual that will guide you through the use of the MiBX **FuelX ATP-Express**Aviation Series microbial fuel-test system

Are you ready to begin?

Swipe Left or Right to step
Forward or Backwards
through the procedure.
(you can also use the navigation
arrows and/or simply click the image
if you only need to move forward)

To return to the main Product Resource page, click the button below, or use the 'Back' button on your browser.



Introducing the ATP-Express Test System.





Sample-Collection Tube Module (x3)

These modules contain all of the components that are needed to collect, and process a fuel or fuel/water sample.

Three complete modules are included – one for Left & Right wing-tank, and a third that can be used if a test needs to be repeated, or water is present in the fuel and will be tested separately.

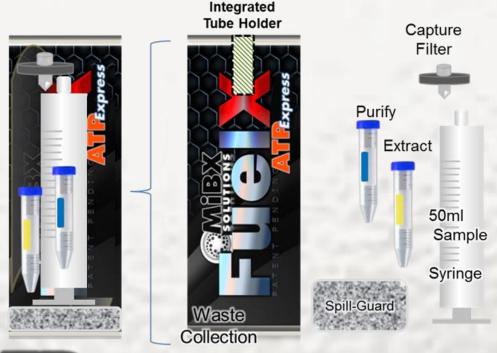
Sample Express-Mail Pack

This module contains everything that you need to record, package, and return-mail your Sample-Specimens to the laboratory of your choice, or simply to the MiBX Laboratory by default, for complete ATP Analysis.



SECTION-1.1

ATP-Express Sample Collection Detail





Sample-Collection Tube Module

Each module contains all of the components that you need to collect, and process a fuel sample, including:

- √ 50ml/60ml Fuel Sample Collection Syringe
- ✓ Microbe Capture Filter
- ✓ Microbe Purification Fluid: PureX
- ✓ Microbe Extract & Suspend Fluid: RegenX

The Tube itself is part of the test-system and is designed to be used can be used as a workstation, as well as an integrated liquid waste capture device, and solid waste container for proper disposal.

If you are going into the field to collect a sample, you only need to bring these Tube Modules with you. The ATP-Express Pack can then be prepared for return-shipment later at a convenient location.



SECTION-1.2

ATP-Express Pack Content Detail

Return Shipping Box & Pre-Paid Label





Sample Express-Mail Pack

This module contains all of the components that you need in order to package and ship up to three specimen samples:

- ✓ Specimen Capture-Cup
- √ Tamper-Seal Specimen Cup Labels
- ✓ Laboratory Analysis Information Form
- ✓ Return Shipping Box & Pre-Paid Label
- ✓ Printed Quick-Start Instruction Booklet





SAMPLE COLLECTION PROCEDURE



The Sample Collection & Processing

The Procedure Summary:

Here is what we are going to do...

- (2.0) **UnPack** the FuelX Tube Components
- (2.1) Collect a Fuel Sample from the Aircraft
- (2.2) Capture all Microbes from the Fuel Sample
- (2.3) Purify & Dry the Captured Microbes
- (2.4) Extract & Suspend the Captured Microbes
- (2.5) Label, Pack & Ship the Samples
- (2.6) Cleanup Workspace & Component Disposal
- (2.7) Getting Laboratory Analysis Results



Unpack the FuelX Tube Module



Collect a Fuel Sample

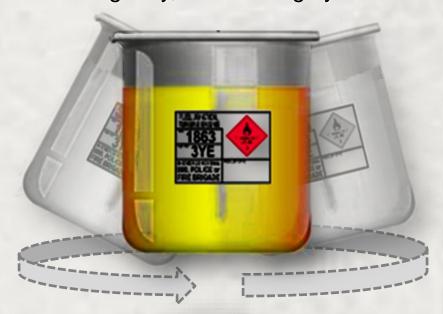


1. Using the proper tools and procedures as specified by your aircraft manufacturer, access each fuel sump port and collect a separate sample of at least 500 ml from each sump port.



Collect this sample into a clean container that is suitable and compatible with your fuel-type, and large enough to allow mixing below without spilling fuel.

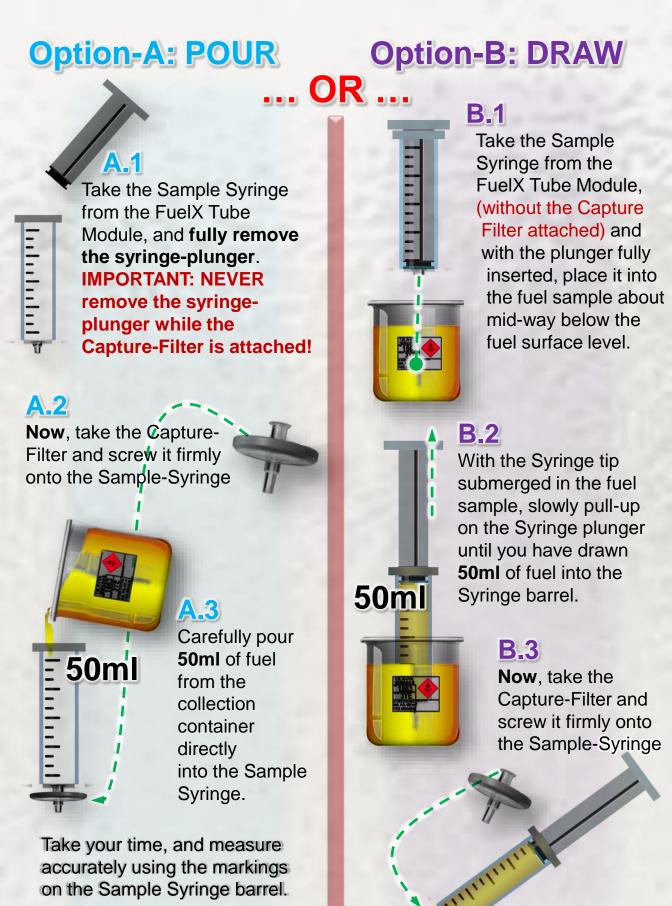
2. Swirl the fuel sample to gently, but thoroughly mix it.



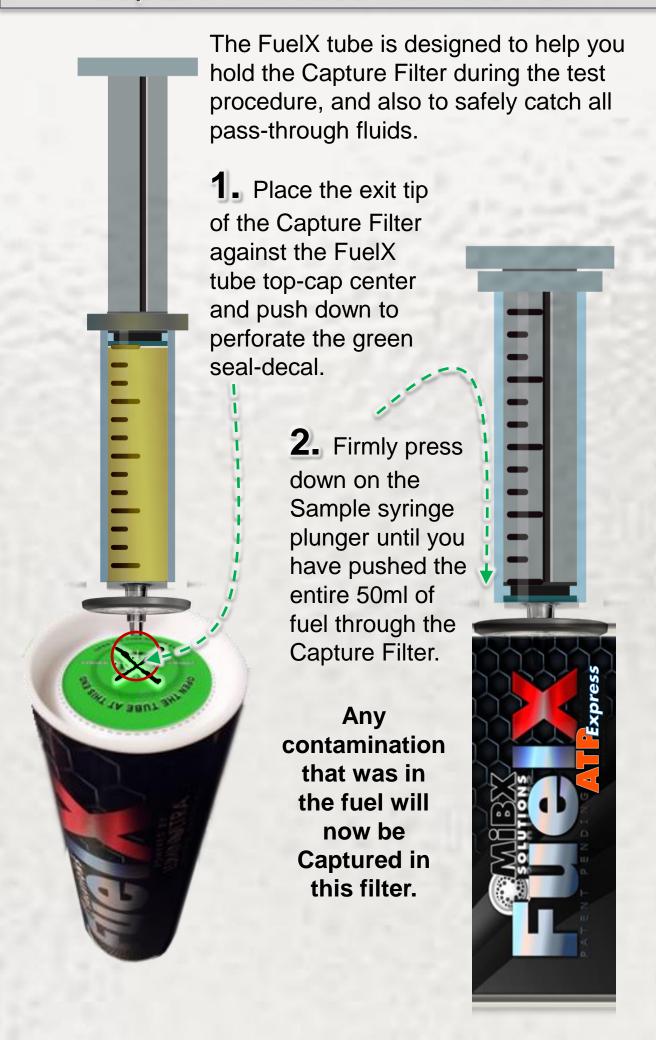


Collect a Fuel Sample

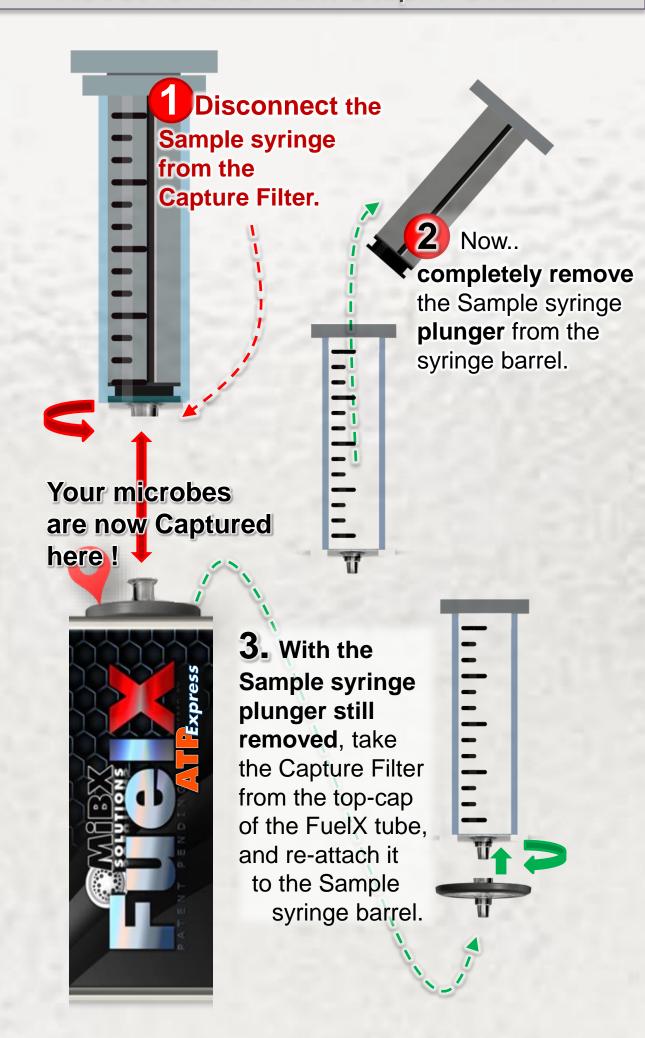
1. Transfer 50 ml of fuel from your collection container to the Sample Syringe. To do this, there are two options:



Capture Microbes from the Fuel

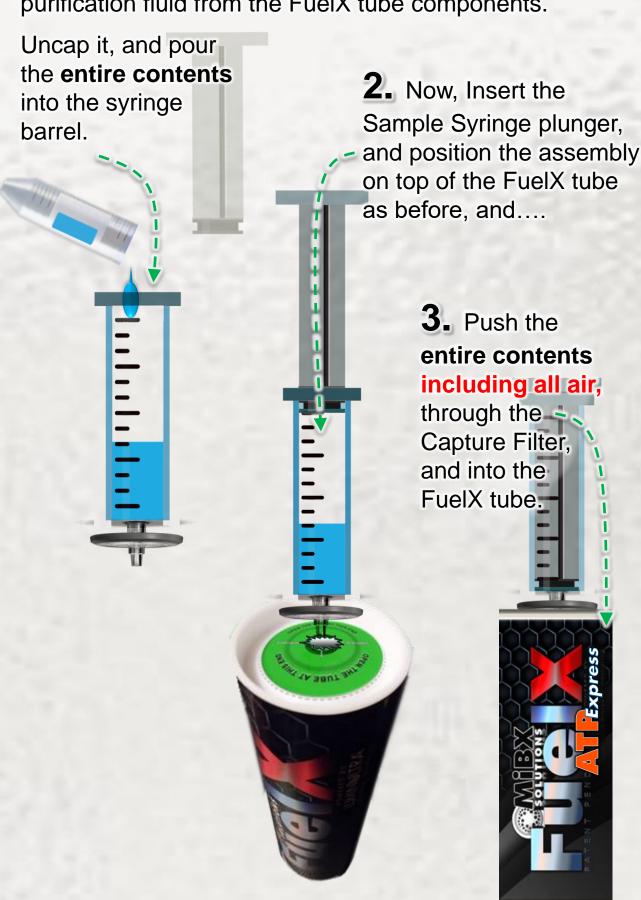


Reset for the Next Step: PURIFY

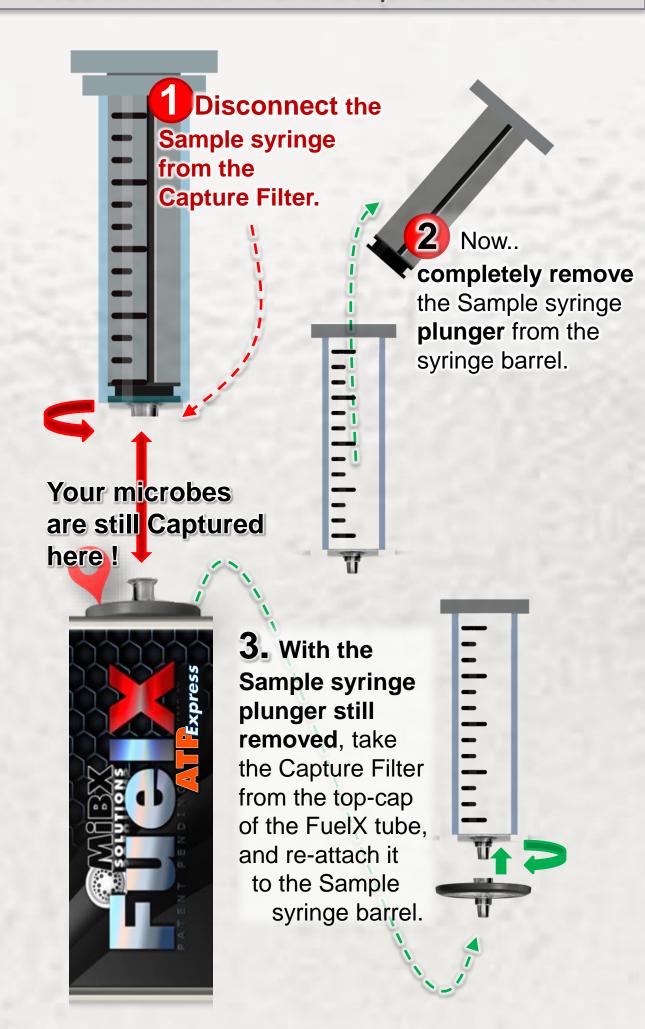


PURIFY & DRY the Captured Microbes

1. With the Sample Syringe plunger **still removed** (from previous step), locate the **blue-label PureX** purification fluid from the FuelX tube components.



Reset for the Next Step: **EXTRACT**



Prep: Extract & Suspend the Microbes

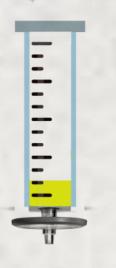
1. Remove one Sample Cup from the Express Pack return shipping box, and unscrew its cap.

Tip: Keep this cap close by.

We need it to reseal the Sample Cup.

2. Locate the yellow label RegenX Extraction & Suspension fluid vial from the FuelX tube components.

3. With the Sample Syringe plunger still removed (from previous step), and the Capture filter re-attached, un-cap the RegenX and pour the entire contents into the syringe.



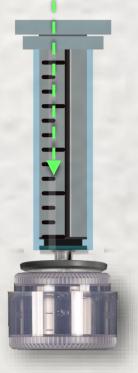


Go! Extract & Suspend the Microbes

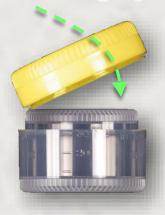




2. Push the entire contents including all air of the Sample Syring including the air through the capture Filter and into the Sample Cup



3. Replace the lid on the Sample Cup and make sure that it is screwed closed tightly

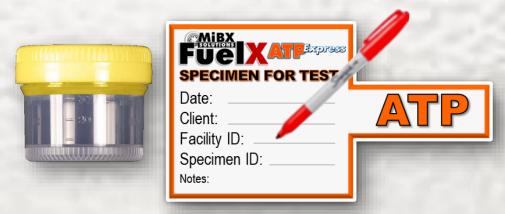




Label & Pack the Microbe Samples

The Extracted & Suspended microbes are now safely in the Sample Cup and ready for Regeneration at the Analysis Lab!

1. Complete one of the included "Specimen For Test" sample labels for each Sample, and adhere it to its Sample Cup.





- 2. Label each sample so that you can easily identify them from each other, and also know where the fuel samples originally came from.
- 3. Complete the Sample Collection procedure for your remaining fuel samples, and place each one in the Express-Mail Pack for return shipment. Up to 3 Sample Cups can be shipped in a single Express-Mail Pack box.





Congratulations!

Sample Collection & Processing is now complete!

Repeat the procedure for each of the Fuel-Sump drains on your aircraft.

OR... If you have all of your samples prepared and packed, you can now drop-off the Express-Mail Pack for immediate shipping to the laboratory for ATP analysis.



Clean-Up the Workspace & Disposables



Whether using the FuelX tube for waste containment, or not...Always dispose of any liquid & solid waste in a responsible manner, and in compliance with environmental regulations and company requirements.







Advanced ATP SAMPLE ANALYSIS RESULTS



Getting the Laboratory Analysis Results



Your laboratory ATP Analysis results will be made available to you through our encrypted & secured web-based **Private Client Portal.**

This Client Portal can be configured as needed in order that you can receive test results & reports in specific formats, and to specific Team members.

Your **MiBX Solutions Representative** will provide detailed information & training to setup and access your Private Client Portal.



END of GUIDE

Thank you for using FuelX!





