

HY-LiTE® Fuel Test Kit Pens and Luminometer



Why Test for Microbes in Fuel?

Jet Fuel quality can be severely impacted by the growth of microbiological contaminants such as bacteria and fungi.

What is the test used for?

The HY-LiTE® Rapid Microbial Test for Fuel Systems is an instrument based rapid test kit for detecting ATP associated with active microbial contamination in fuels and associated waters in accordance with ASTM D7463. Samples are reacted in disposable Fuel Test Pens and read in a meter to provide results in less than 10 minutes.

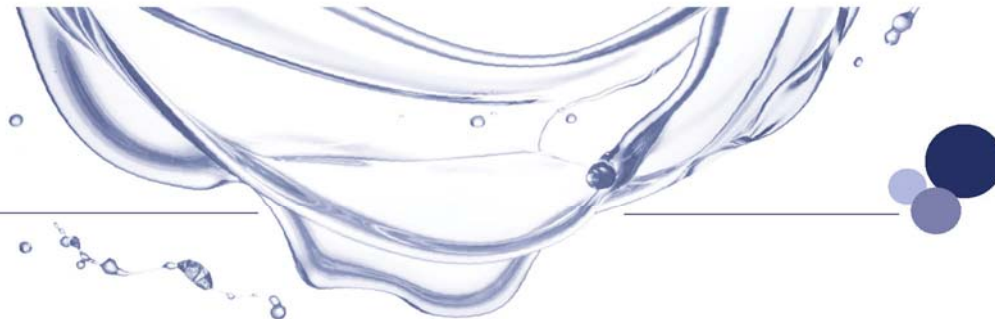


HY-LiTE® is recommended in guidance from industry bodies (including IATA and the aviation fuel Joint Inspection Group), aircraft OEMs (e.g. Boeing and Airbus). It is used by many of the world's commercial airlines and fuel handling operators.

The HY-LiTE® ATP test kit uses a specially formulated aqueous extraction fluid to recover ATP (a chemical produced by active microbes) from fuel samples. The extracted ATP is reacted in a test pen with an enzyme which emits light. The test pen is inserted into the HY-LiTE® luminometer, which provides a digital, numeric reading (relative light units, RLU) according to the level of ATP that is present.

HY-LiTE® has been validated by independent studies (Inter-Laboratory Studies).

The test detects ATP associated with levels of microbial contamination that left unchecked could cause operational problems in fuels. The test will provide measurements in Relative Light Units (RLU), which can be quantified and stored in the Luminometer or downloaded to a PC.



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Features and Benefits

- Detects any ATP that may be present in a sample
- Can be used for either fuel (where microbes can be active in suspended water droplets) or associated water samples
- Utilises ATP detection technology to calculate Relative Light Unit (RLU) readings
- Provides numeric, fully quantitative results to demonstrate the extent of contamination
- Provides results in less than 10 minutes
- Can be used either on-site or inside the Laboratory
- Requires HY-LiTE® Luminometer to read test pen results
- Listed in the Boeing and Airbus AMMs
- Recommended by IATA for aircraft fuel tank testing
- Recognised as an ASTM Standard Test Method (ASTM D7463)

What about Support?

ECHA provides full technical support to all of its customers, and we will never leave you with an unresolved issue. Whether its support with interpretation of results or advice on testing regimes, ECHA will always be on hand with the technical knowledge and operational know-how you need. If you require our assistance, please call the number listed below.

ECHA has supplied the HY-LiTE® Fuel Test Kit Pens and Luminometer for many years and we also use it in our own laboratory and on-site for investigative procedures. We are therefore very familiar with the product and we are able to offer our full support.

Referenced Part Numbers;

Product Name	Manufacturer Part No.	Equivalent Distributor Part Nos.
HY-LiTE® Fuel Test Kit Pens	1.30890.0022	1.30196.0021, FQS 047, ECHA21/HL/002
HY-LiTE® 2 Luminometer	1.30100.0221	1.30100.0221, FQS 046, ECHA21/HL/001

HY-LiTE® is a registered trademark of Merck KGaA, 64271 Darmstadt, Germany.

For more information on how to order this product, please contact a member of our Sales Team using any of the details below. You can also find more information on our website.

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