An aerial photograph of a runway. A white jet airplane is positioned on the tarmac, facing away from the viewer. The runway is dark asphalt with white dashed and solid lines. There are white rectangular markings on the runway. The surrounding area is grassy.

Ready for take-off in only 10 minutes!

HY-LiTE® Jet A1 Fuel Test – for rapid
detection of microbiological contamination
in fuel tanks and distribution systems



HY-LiTE®

Jet A1 Fuel Test

The new rapid test – get results in less than 10 minutes

Microbiological contamination in fuel tanks is a potentially serious problem in aircraft. Indication of presence or absence of microbial contamination can take up to 4 days using traditional tests and waiting for these results can be a cost-sensitive issue.

Merck specializes in microbiological and chemical tests for industrial applications and has now developed a new rapid test for determination of contamination in aircraft fuel.

HY-LiTE® Jet A1 Fuel Test –
the fast and easy way to get
ready for take-off.



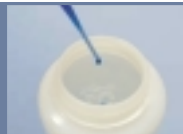
Your advantages

- Detects all biological activity – not limited to specific micro-organisms
- De-skilled method – can be performed by non-laboratory staff
- Easy handling – on site test with no need for laboratory facilities
- Recommended by relevant IATA guideline, Edition 2
- Included in the leading Aircraft Maintenance Manuals from October 2004

Only 10 minutes to get an answer

1

- Collect fuel sample
- Add capture solution



2

- Shake vigorously for 10 sec
- Stand 5 min



3

- Collect blue phase accumulated at the bottom of the sampling bottle



4

- Sample with HY-LiTE® pen



5

- Insert HY-LiTE® pen in luminometer
- Read off result



ACTION YES / NO

Test features

- Numerical read-out – quantitative & objective results allowing easy interpretation
- Same protocol for all samples – with & without water
- Same action limits for all samples – with & without water
- No known interference from aviation approved biocides

Instrument features

- Multilingual instrument & product documentation
- Instrument fully temperature compensated
- Selfchecking – for calibration
- Documentation of results – easy and convenient

Ordering information

To perform the HY-LiTE® Jet A1 Fuel Test you require the
HY-LiTE® 2 instrument and the HY-LiTE® Jet A1 Fuel Test pens:

Product	Cat.No.
HY-LiTE® 2 instrument with built-in printer, mains power supply unit (with worldwide adapters), 1 set of batteries, PC software and cable, certificates for QC, English manual (other languages on request), complete in shoulder bag (robust case on request)	1.30100.0221
20 HY-LiTE® Jet A1 Fuel Test pens, 2 x 20 pipettes, package insert, pictured step-by-step guide	1.30196.0021

Recommended 1-Liter sampling bottle:
Nalgene Cat. No. 2104-0032 or 332189-0032

The test kit should only be used as part of an investigatory process into microbiological contamination in petroleum products (Jet A-1 / Jet A fuel) and associated water.

Note: Results from detection kits are an indication of microbial contamination. Physical inspection is the only definitive method to determine the condition of the fuel tank. Although guidance may be sought by the user on sampling and the interpretation of results, the responsibility for carrying out the sampling and test procedures correctly is that of the end user and not Merck KGaA or its affiliates or appointed distributors.

The test kit is designed to indicate presence of metabolically active biological material but it is the nature of biology that there may be organisms present in the sample that are not detected by the test procedure. In particular, the results of any test procedure cannot be interpreted to indicate sterility of the sample tested.

Merck KGaA and its affiliates and appointed distributors do not accept any liability for any decision or assessment taken or made as a consequence of using this test kit.

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