Make the invisible visible – HY-LiTE® Plus.

The new microbiological test kit for industrial applications
Easy and reliable detection of microbiological activity for industrial applications. With HY-LiTE® Plus.

Microbiological contamination in process liquids can lead to operational problems, reduced life-time of the liquids as well as impaired quality of the final product. Most methods for testing for microbiological contamination takes days to get a result and may not even tell you the whole truth when detected by growing on agar mediums.

Testing with the new HY-LiTE® Plus Test takes only 2 minutes and indicates the total microbiological activity in your process liquids. The test is even recommended by BASF for use in the automotive industry worldwide.

More efficiency in testing with the HY-LiTE® Plus testing pen
With continuing demand for improved efficiency and cost reductions coupled with rising prices as well as increasing disposal costs, this new test can help you to minimize down-time and waste, as well as contribute to improved working environment. This is a pre-prepared, one-shot device available in two formats – for surface testing and for rinse water control. Containing all the reagents necessary in the correct amounts, each pen is a combined sampling device, test chamber and reagent-dispenser in one.

The HY-LiTE® 2 luminometer.
Robust, lightweight and fully portable, the luminometer has a large, easy-to-read graphic display and a built-in printer. The luminometer can be operated as a test only device, with direct printout.
**How the system works**

The HY-LiTE® 2 hygiene tracking system works by detecting ATP (adenosine tri-phosphate), a substance found in all living cells and in most biological material. Unlike traditional microbiological methods, which detect the presence of bacteria and other microorganisms, ATP detection also reveals the presence of residues, even on superficially sterilised surfaces, potentially capable of supporting microbial contamination.

A sample taken from the test matrix is mixed with enzyme reagent in the specially developed HY-LiTE® Pen. Any ATP present reacts with the enzyme and produces light. This is measured in the HY-LiTE® 2 meter. The more ATP present, the brighter the light and the greater the reading. This indicates clearly the amount of microbiological contamination.

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**Many places in industrial applications to profit from HY-LiTE® Plus**

- Metal working fluids, CNC cooling liquids
- Automotive industries
- Waste water, activated sludge
- Paints (water based emulsion and others)
- Anticorrosion coatings

**Easy detection of microbial contamination in previously impossible matrixes using the new 3rd generation of ATP testing.**

**The ATP technology.**

The higher the microbial contamination, the brighter the light.
Just two minutes from collecting samples to reading result.

1. Collect sample
2. Dispense sample into dilution tube
3. Remove pen from dilution tube
4. Push white stick vertically into pen body
5. Insert pen into luminometer

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Ord. No.</th>
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<tbody>
<tr>
<td>HY-LiTE® Plus Test Kit</td>
<td>20 Test Pens with dilution tube and 20 pipettes, package insert, picture step-by-step guide</td>
<td>1.30895.0021</td>
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<tr>
<td>HY-LiTE® 2 Instrument</td>
<td>1 HY-LiTE® 2 System with built-in printer, Certificate, Mains power supply with worldwide adapters, 1 Lithium activation card, 1 Battery holder, 4 Batteries (Type: AA, LR6, Mignon), 1 PC-cable, 1 Paper role for printer, 1 CD-ROM with TREND 2 PC-Software, HY-LiTE® 2 Operator Manual in 5 languages (DE, EN, ES, FR, PL) and Video-guide for HY-LiTE® Pen-handling</td>
<td>1.30100.0301</td>
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<td>HY-LiTE® Paper Rolls</td>
<td>5 Paper rolls for HY-LiTE® 2 built-in thermoprinter</td>
<td>1.30110.0205</td>
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<tr>
<td>HY-LiTE® Pens</td>
<td>50 Pens for CIP rinse water testing</td>
<td>1.30102.0021</td>
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<td>HY-LiTE® Hygiene Swab</td>
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<td>HY-LiTE® Free ATP pen</td>
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<td>1.30194.0021</td>
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<tr>
<td>HY-LiTE® Jet A1 Fuel Test Kit</td>
<td>20 Fuel Test pens, 20 large pipettes and 20 small pipettes</td>
<td>1.30196.0021</td>
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</tbody>
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Your benefits at a glance

Efficient – no lab facilities required
Fast – results in less than 2 minutes
Precise – quantitative numerical read out
Easy – minimum training required
Economical – allows to treat before it becomes critical