

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.

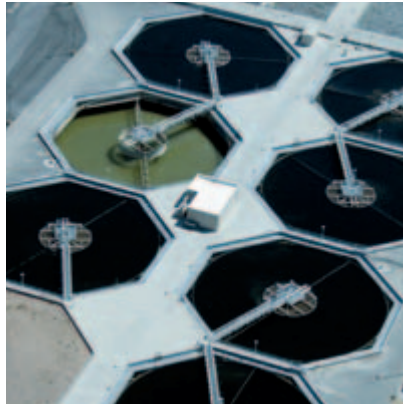
More efficiency in testing with the HY-LiTE® Plus testing pen

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.



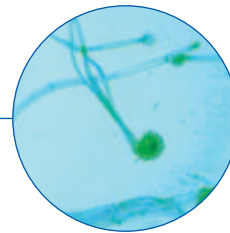
The HY-LiTE® 2 luminometer.

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.



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

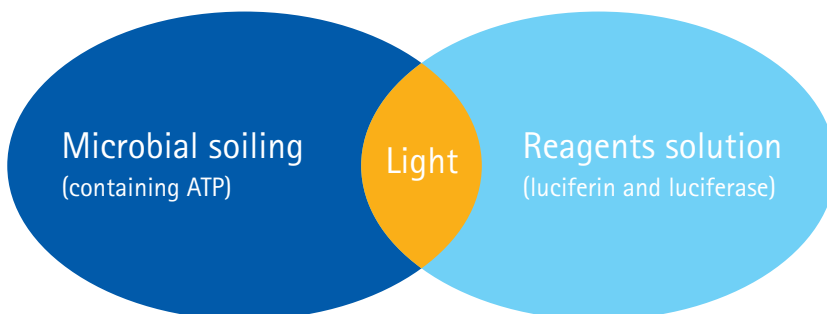


Easy detection of microbial contamination in previously impossible matrixes using the new 3rd generation of ATP testing.

How the system works



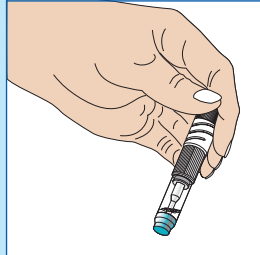
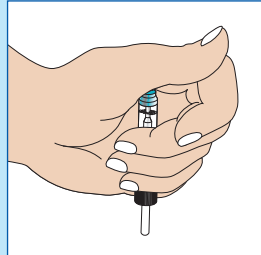

The HY-LiTE® 2 hygiene tracking system works by detecting ATP (adenosine tri-phosphate), a substance found in all living cells and in most biological material. Unlike traditional microbiological methods, which detect the presence of bacteria and other microorganisms, ATP detection also reveals the presence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



The ATP technology. The higher the microbial contamination, the brighter the light.

Just two minutes from collecting samples to reading result.

1.	2.	3.	4.	5.
				
<ul style="list-style-type: none"> • Collect sample • Shake sample well • Take sample with pipette 	<ul style="list-style-type: none"> • Dispense sample into dilution tube • Close lid and shake dilution tube to mix 	<ul style="list-style-type: none"> • Remove pen from dilution tube • Dip pen into dilution tube • Carefully remove pen 	<ul style="list-style-type: none"> • Push white stick vertically into pen body • Close pen • Shake pen vigorously 	<ul style="list-style-type: none"> • Insert pen into luminometer • Remove pen and read result

Ordering information

Product	Description	Ord. No.
NEW HY-LiTE® Plus Test Kit	20 Test Pens with dilution tube and 20 pipettes, package insert, picture step-by-step guide	1.30895.0021
HY-LiTE® 2 Instrument	1 HY-LiTE® 2 System with built-in printer 1 Certificate 1 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	1.30100.0301
HY-LiTE® Paper Rolls	5 Paper rolls for HY-LiTE® 2 built-in thermoprinter	1.30110.0205
HY-LiTE® Pens	50 Pens for CIP rinse water testing	1.30102.0021
HY-LiTE® Hygiene Swab		1.30103.0001
HY-LiTE® Free ATP pen		1.30194.0021
HY-LiTE® Jet A1 Fuel Test Kit	20 Fuel Test pens, 20 large pipettes and 20 small pipettes	1.30196.0021



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

We provide information and advice to our customers on application technologies and regulatory matters to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties. Our information and advice do not relieve our customers of their own responsibility for checking the suitability of our products for the envisaged purpose. Hy-LiTE® is a registered trademark of Merck KGaA, Darmstadt, Germany.

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