

HY-LiTE® Pens

Ready prepared Pens to test the cleanliness / hygiene of liquids (CIP rinse water) in food & drink industry, or to test biomass in water treatment application, by measuring with the HY-LiTE® 2 luminometer.

Typical composition

Adenosine triphosphate (ATP) is detected specifically by reaction with a luciferin/luciferase reagent in buffered solution.

Features and benefits

- Dedicated pen for liquid testing
- Ideal format for CIP rinse water tests
- Also of use for biomass testing in water treatment
- Dilution factor and unique buffer eliminates interference
- Test procedure takes less than 1 minute
- Patented uptake of sample volume
- Long shelf-life

Experimental procedure

Rinse water in food & drink production, filling heads and transport tankers, which bear risk of endangering a complete lot of product, should be controlled by HY-LiTE® routinely. For surface testing a special test format including a standard swab is available (compare item 1.30101).

Dip the white stick of the pen into the liquid sample for 1 second, and press the stick home into the Pen cuvette. Press and twist (screw) the upper part of the Pen until it contacts the lower part. Shake the Pen, then put into luminometer for measurement. Close lid and read the result on the display.



Specification

Application	Primarily examination of cleaning/sanitation of liquids/CIP rinse water in food & drink production
Format	Ready prepared cuvette test format for use with HY-LiTE® 2 luminometer
Reagent	Contains freeze-dried and stabilized luciferin/luciferase reagent (U.S. patents 5583024, 5674713, 5700673)
Test parameter	Total ATP
Detection limit	1.4 x 10 ⁻¹⁴ mol ATP
Interference	For normal application within clean production areas no interferences will occur, due to the built-in dilution step and the unique buffering capacity of the HY-LiTE® pen
Ambient conditions	Measurements at 5-35 °C
Storage conditions	The test pens are stable up to the date stated on the pack, when stored closed at +2 to +8°C. The shelf-life includes a period of transport or storage of up to 3 weeks at room temperature
Disposal	HY-LiTE® pens can be disposed off with the normal household waste.

Literature

DE ZUTTER, L., HELLWIG, K., a. LINDHARDT, C.: ATP method is highly suitable for hygiene monitoring (translated from the Dutch original) - De Keurmeester, 3; 5-10 (1998)

Ordering Information

Product	Merck Cat. No.	Pack contents
HY-Lite® Pens	1.30102.0021	50 CIP / liquid test pens