









**PREVENT.
DETECT.
ACT.**

SIMPLE, SAFE AND RAPID ON-SITE HYGIENE TESTING

As a member of the fecal *Enterobacteriaceae* group, *E. coli* serves as an alarm for the hygiene status of food processing facilities and can indicate the presence of other harmful bacteria. Our *E. coli* rapid test is part of the N-Light™ environmental monitoring series that enables lab-free on-site pathogen and hygiene screening in food production facilities. This test was developed with user-friendliness and versatility in mind, serving as a hygiene indicator on factory surfaces, tools, production machines and for employee hand hygiene. While avoiding the inconvenience of agar plates and cumbersome sample preparation, the *E. coli* rapid test provides reliable results after only 16 hours.

For customers already using the rapid tests for *Listeria monocytogenes* and *Salmonella* Risk, N-Light™ *E. coli* may be seamlessly integrated into existing workflows as it can be performed with the same NEMIS incubator and luminometer.

- | | |
|---|--|
|  ON-SITE
lab-free testing |  SAFE
closed system from sampling to detection |
|  RAPID
take action after only 16 hours |  CONVENIENT
digital results and no plating |
|  EASY-TO-USE
in 4 simple steps |  COST-EFFECTIVE
no need for a lab infrastructure or external services with shipping costs |

WE TRANSFORM HOW ENVIRONMENTAL TESTING IS DONE

✓
Detects only alive
Escherichia coli bacteria

✓
Final results after 16
hours with a 10 second
readout

✓
Superior specificity
and sensitivity

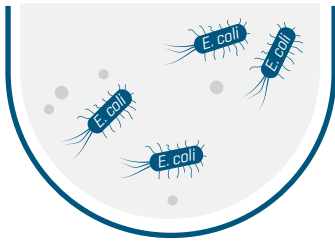


**EMPOWERING YOU
TO FIGHT THE INVISIBLE**
nemistech.com

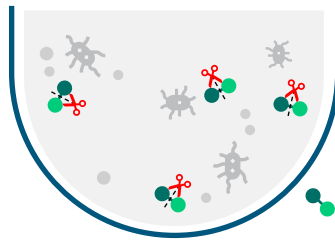


WE SHED LIGHT ON THE INVISIBLE

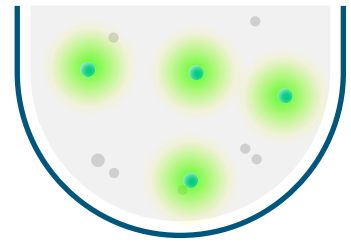
The N-Light™ tests exclusively use the patented AquaSpark™ technology. The light reaction emitted from highly sensitive chemiluminescent molecules is specifically triggered by an enzyme produced only by living *Escherichia coli*. With a NEMIS luminometer, the light resulting from this chemical reaction can be accurately measured in relative light units (RLU). Test results above the validated threshold indicate a presumptive positive result. Corrective actions such as re-cleaning can be determined already after 16 hours.



Incubation at 44°C eliminates competing microflora while allowing for *E. coli* to grow



The targeted enzyme breaks the AquaSpark™ molecule



This results in the emission of light, which is then measured

WITH NEMIS, YOU ARE IN CONTROL



SWAB



TRANSFER



INCUBATE



ACTIVATE



MEASURE

Pos.	Description	Quantity
00001	Luminometer (BTL1)	1
00002	Dry Block Heater 24 (DBH1-24)	1
00029	N-Light™ <i>E. coli</i> tubes	50
00026	N-Light™ Sterile Dry Swab BP with separate BPW Buffer	50

 Storage at 4-8°C

THE MEANINGFUL RISK MANAGEMENT TOOL TO FREE YOUR MIND



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