






**PREVENT.
DETECT.
ACT.**





SIMPLE, SAFE AND RAPID ON-SITE PATHOGEN TESTING

 **Disinfectant Neutralization:** One of the critical features of our neutralizer is its ability to counteracts the disinfectants, effectively protecting the sampled bacteria from being killed or inhibited by these agents. This ensures the integrity of the testing process and guarantees accurate identification and quantification of microbial contaminants.

 **Improved Bacterial Health:** Our neutralizing agent keeps the bacteria healthier and in better shape throughout the testing process. Thus, they can begin growing sooner and more vigorously. This leads to a substantial increase in bacterial quantity after 24 hours of incubation.

 **Extended Swab Storage:** Unlike traditional buffers, our neutralizing agent allows for longer storage of swabs before analysis. Long storage in PBS can lower the performance due to the absence of nutrients. In contrast, our neutralizing agent provides the necessary nutrients for bacterial growth, allowing the bacteria to thrive even during storage. This feature enhances convenience and flexibility in testing procedures, without compromising the integrity of results.

WE TRANSFORM HOW ENVIRONMENTAL TESTING IS DONE

Swab version	 N-Light™ <i>L. mono</i> [REF 00009]	 N-Light™ Salmonella Risk [REF 00014]	 N-Light™ <i>E. coli</i> [REF 00029]	 N-Light™ ATP [REF 00031]
N-Light™ Sterile Dry Swab BP with separate PBS Buffer [REF 00039]	✓			
N-Light™ Sterile Dry Swab BP with separate BPW Buffer [REF 00026]		✓	✓	
N-Light™ Sterile Dry Swab BP with separate neutralizer [REF 00037]	✓	✓	✓	
N-Light™ Sterile Dry Swab BP [REF 00041]				✓



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



WE SHED LIGHT ON THE INVISIBLE

Comparison of neutralizers

Neutralizing solution	N-Light™ Neutralizer	EU-recommended Neutralizing Diluent ²	Dey-Engley [D/E] Neutralizing Broth	Letteen Broth
Effective neutralization of quaternary ammonium (quats) compounds	✓	✓	✓	✓
Effective neutralization of chlorine-based sanitizers	✓	✓	✓	✓
Effective neutralization of hydrogen peroxide and peroxyacetic acid-based sanitizers	✓	✓	✓	✗
Tested for presence of the allergenic components	✓	?	?	?
Free from Genetically Modified Organism (GMO)-based components ¹	✓	?	?	✓
Maximum sample hold time before processing (at 2-8 °C)	up to 72 h	up to 48 h	up to 48 h	up to 48 h
Room temperature storage (15-25 °C)	12 months	12 months	✗	12 months
Designed for compatibility with N-Light™ products	✓	✗	✗	✗
AOAC® certified	✓ <i>coming soon</i>	✗	✗	✗

¹ Dependent on raw material used; check with manufacturer

² "Guidelines on sampling the food processing area and equipment for the detection of *Listeria monocytogenes*" released by European Union Reference Laboratory for *Listeria monocytogenes*, version 3 – 20/08/2012

WITH NEMIS, YOU ARE IN CONTROL

Neutralization effect of N-Light™ neutralizer

neutralizing solution	no neutralizer	no neutralizer			N-Light™ neutralizer		
		chlorine-based	peroxyacetic-acid based	quaternary amine-based	chlorine-based	peroxyacetic-acid based	quaternary amine-based
<i>Listeria monocytogenes</i> ATCC 7644	100%	0%	0%	0%	100%	100%	70%
<i>Listeria monocytogenes</i> BAA-751	100%	0%	0%	0%	100%	100%	90%
<i>Listeria monocytogenes</i> ATCC 19118	100%	0%	0%	0%	97%	95%	100%
<i>Salmonella</i> Typhimurium ATCC 14028	100%	0%	0%	0%	97%	95%	97%
<i>Escherichia coli</i> DSM 613	100%	0%	0%	0%	100%	71%	93%

¹ Neutralization evaluation test according to ASTM (American Society for Testing and Materials) E1054 method performed by the external laboratory Nexidia in Dijon, France.

THE MEANINGFUL RISK MANAGEMENT TOOL TO FREE YOUR MIND

Coming soon: N-Light™ ATP



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