

On-Site **pathogen detection** for environmental monitoring



Worldwide distribution



Swiss Biotech pioneer

Required materials

1. N-Light™ *Listeria monocytogenes* test tubes
2. NEMIS Bench-top Luminometer
3. NEMIS Dry Block Heater
4. Kitchen Timer
5. Optional: N-Light™ Activation Tool (REF 00008)
6. N-Light™ sampling devices containing compatible moistening solution
 - N-Light™ sterile dry swabs BP with separate **PBS buffer** (REF 00039)
 - N-Light™ sterile dry swabs BP with separate **neutralizer** (REF 00037)
 - N-Light™ sterile MaxiSamplers with separate **PBS buffer** (REF 00060)
 - N-Light™ sterile MaxiSamplers with separate **neutralizer** (REF 00064)



N-Light™ *Listeria monocytogenes* – for actionable results in 24h

Holds an AOAC®
PTM™ Certification



N-Light™ *Listeria monocytogenes* is a qualitative test method for rapidly detecting the foodborne bacterial pathogen *Listeria monocytogenes*. It is suitable for use in food processing areas and

equipment as part of an environmental monitoring program. Final test results are available 24 hours after sampling.

N-Light™ *Listeria monocytogenes* tube contains a unique, innovative technology

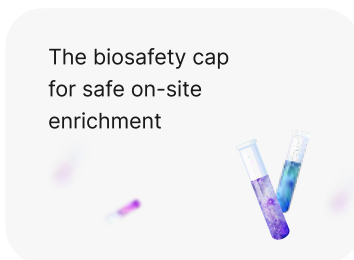
Pioneering phage technology



Patented AquaSpark™ platform for detection of live bacteria



The biosafety cap for safe on-site enrichment

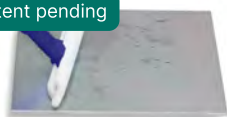


Scan to see our technology in action:



Sampling need is considered: N-Light™ MaxiSampler vs N-Light™ Swab

Patent pending



By choosing the right tool for each surface type and size, you can meet regulatory guidelines effectively while maximizing sampling efficiency and accuracy.



Simple, effective testing process

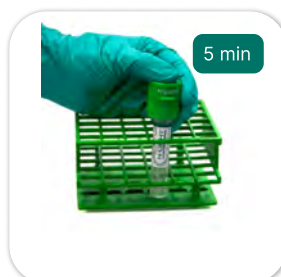
1. Sample

2. Transfer

3. Incubate

4. Activate

5. Measure



Required materials

1. N-Light™ *Listeria* spp. test tubes
2. NEMIS Bench-top Luminometer
3. NEMIS Dry Block Heater
4. Kitchen Timer
5. Optional: N-Light™ Activation Tool (REF 00008)
6. N-Light™ sampling devices containing compatible moistening solution
 - N-Light™ sterile dry swabs BP with separate **PBS buffer** (REF 00039)
 - N-Light™ sterile dry swabs BP with separate **neutralizer** (REF 00037)
 - N-Light™ sterile MaxiSamplers with separate **PBS buffer** (REF 00060)
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N-Light™ *Listeria* spp. – indicator test

Detecting *Listeria* spp. is currently a crucial component of environmental monitoring programs in the food industry. The N-Light™ *Listeria* spp. indicator test provides a potent and broad-spectrum solution for detecting a wide range of *Listeria* species, enhancing factory hygiene and safety practices.

Compared to tests focused solely on *Listeria monocytogenes*, N-Light™ *Listeria* spp. means more positive results and more actionable

insights for improving hygiene standards in food production environments.

N-Light™ *Listeria* spp.

Positive result

Listeria monocytogenes, *Listeria innocua*, *Listeria welshimeri*, *Listeria grayi*, *Listeria marthii*

N-Light™ *Listeria* spp. tube contains a unique, innovative technology

Proprietary phage cocktail for suppression of competing microflora

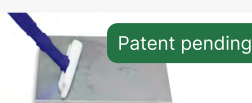
Patented AquaSpark™ platform for detection of live bacteria

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Simple, effective testing process

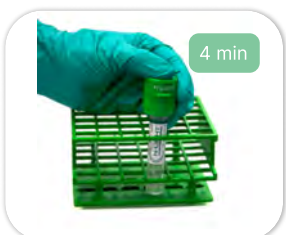
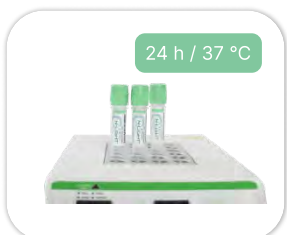
1. Sample

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5. Measure



Lab confirmation

Positive N-Light™ *Listeria* spp. test tubes can be sent to an internal or external microbiological laboratory for analysis of the presence of *Listeria* spp. and *Listeria monocytogenes* with cultural methods (e.g. ISO 11290-1) or PCR methods (e.g. Eurofins).

Required materials

1. N-Light™ *Salmonella* Risk test tubes (incl. dispenser containing starter tablets)
2. NEMIS Bench-top Luminometer
3. NEMIS Dry Block Heater
4. Kitchen Timer
5. Optional: N-Light™ Tablet Dispenser Tool (REF 00018)
6. Optional: N-Light™ Activation Tool (REF 00008)
7. N-Light™ sampling devices containing compatible moistening solution
 - N-Light™ sterile dry swabs BP with separate **BPW buffer** (REF 00026)
 - N-Light™ sterile dry swabs BP with separate **neutralizer** (REF 00037)
 - N-Light™ sterile MaxiSamplers with separate **BPW buffer** (REF 00062)
 - N-Light™ sterile MaxiSamplers with separate **neutralizer** (REF 00064)



N-Light™ *Salmonella* Risk – indicator test

Holds an AOAC®
PTM™ Certification



N-Light™ *Salmonella* Risk is not designed to detect only *Salmonella* spp. Instead, it also targets a small selection of closely related bacteria (such as *Citrobacter*, *Klebsiella* and *Enterobacter*) that share specific metabolic and genetic markers. Positive N-Light™ *Salmonella* Risk does not mean finding exclusively *Salmonella* spp.

Instead, it highlights an elevated likelihood of contamination, allowing for timely interventions and corrective actions to ensure food production safety.



N-Light™ *Salmonella* Risk

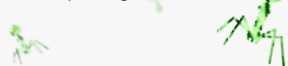


Positive result

Citrobacter, *Enterobacter*, *Klebsiella*, *Salmonella* spp.

N-Light™ *Salmonella* Risk tube contains a unique, innovative technology

Proprietary phage cocktail for suppression of competing microflora



Patented AquaSpark™ platform for detection of live bacteria



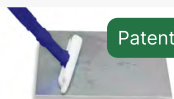
The biosafety cap for safe on-site enrichment



Scan to see our technology in action:



Sampling need is considered: N-Light™ MaxiSampler vs N-Light™ Swab



Patent pending

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Simple, effective testing process

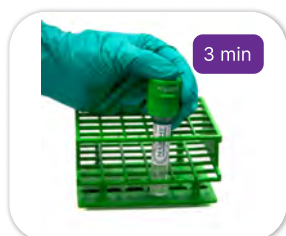
1. Sample

2. Transfer

3. Incubate

4. Activate

5. Measure



Required materials

1. N-Light™ *E. coli* test tubes
2. NEMIS Bench-top Luminometer
3. NEMIS Dry Block Heater
4. Kitchen Timer
5. Optional: N-Light™ Activation Tool (REF 00008)
6. N-Light™ sampling devices containing compatible moistening solution
 - N-Light™ sterile dry swabs BP with separate **BPW buffer** (REF 00026)
 - N-Light™ sterile dry swabs BP with separate **neutralizer** (REF 00037)
 - N-Light™ sterile MaxiSamplers with separate **BPW buffer** (REF 00062)
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N-Light™ *Escherichia coli* – for actionable results in 16h

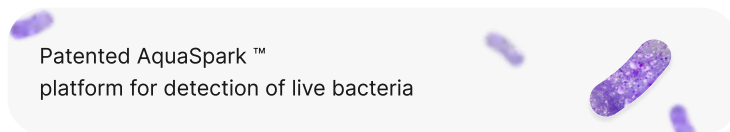
Our *E. coli* rapid test is part of the N-Light™ environmental monitoring series, which enables pathogen detection without needing a laboratory.

The N-Light™ *E. coli* test leverages the enzyme beta-glucuronidase, present in 99% of *E. coli* strains:

- **User-Friendly:** Minimal training is required for accurate results.
- **Rapid Results:** Obtain results in as little as 16 hours.
- **High Sensitivity:** Detects even single-digit dried *E. coli* cells from stainless steel surfaces with exceptional accuracy.



N-Light™ *E.coli* tube contains a unique, innovative technology



The biosafety cap for safe on-site enrichment



Sampling need is considered: N-Light™ MaxiSampler vs N-Light™ Swab



Simple, effective testing process

1. Sample

2. Transfer

3. Incubate

4. Activate

5. Measure



Required materials

1. N-Light™ ATP test tubes
2. NEMIS Bench-top Luminometer
3. Optional: N-Light™ Activation Tool (REF 00008)
4. N-Light™ sterile dry swabs BP



Factory surfaces



Hand hygiene



N-Light™ ATP – for immediate actionable results

N-Light™ ATP test is a highly sensitive and accurate tool for detecting organic material on cleaned surfaces.



Simple, effective testing process

1. Sample

2. Transfer

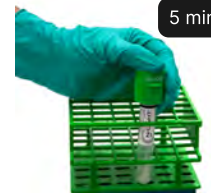
3. Storage

4. Activate

5. Measure



Tubes with swab samples can either be activated **immediately** or **stored** for up to 2 h at room temperature



N-Light™ ATP tailored for multiple industries

- Meat & Poultry Processing
- Dairy Products
- Ready-to-Eat



- Restaurants & Catering Services
- Street Food Vendors



- Cruise Ships & Resorts
- International Travel



- Livestock Farming



- Water Treatment & Supply
- Drinking Water Supply



- Hospitals & Clinics
- Nursing Homes



- Daycare Centers
- Schools



- Pet food



A growing portfolio of pathogen detection and hygiene monitoring

see other NEMIS products:

N-LIGHT™
LISTERIA MONOCYTOGENES

N-LIGHT™
LISTERIA spp.

N-LIGHT™
SALMONELLA RISK

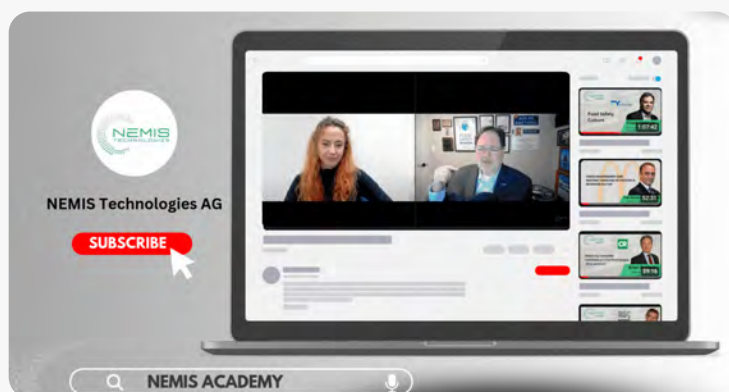
N-LIGHT™
E. COLI



Industry Impact: NEMIS Academy

Genuine expertise
without product placement

At **NEMIS Academy**, we prioritize knowledge sharing over commercial interests, ensuring that our content is driven purely by expert insights and practical guidance, free from any product placement.



Independent platform
for food industry professionals

NEMIS Academy is a dedicated platform tailored specifically for those working in the food industry, providing an environment focused on professional growth and learning.

Specialised Webinars and Workshops

Offering a range of engaging webinars and workshops designed to address the unique challenges and needs of the food industry community.



NEMIS
ACADEMY

Check our academy

Enhance the safety and quality
of the food with us!



NEMIS

TECHNOLOGIES



Learn more

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