

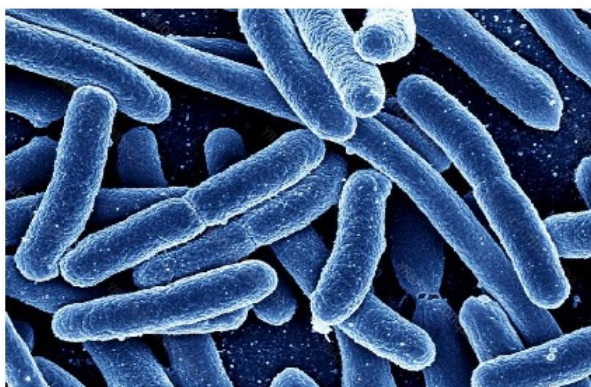
Bacpro™

A rapid portable microbial sensor technology



Bacpro™ is an innovative automatic portable microbial sensor that prevents the occurrence of waterborne outbreaks and ensure that water is safe for the community. Packed in a portable suitcase, it can be easily deployed for onsite testing, and can be integrated into IoT networks, enabling applications for smart water, smart city, and smart home.

With Bacpro™, we can save time, save money, and save lives.



Rapid Waterborne Bacteria Detection

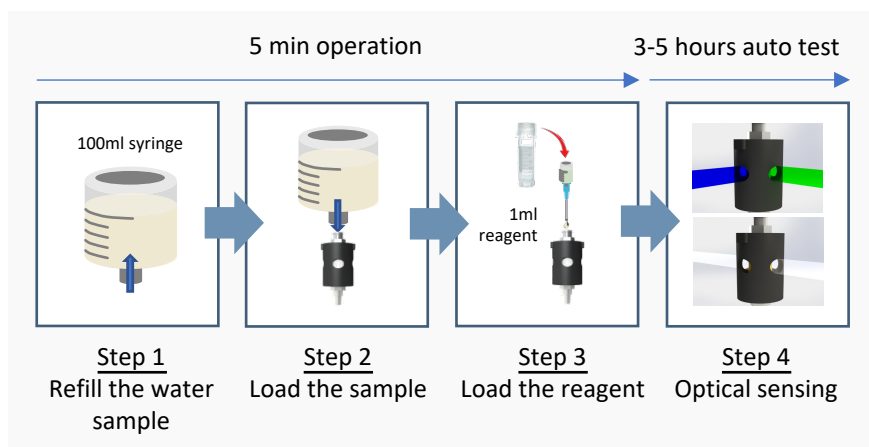
Our proprietary innovative portable technology enables rapid waterborne bacteria detection onsite with quick and easy field tests that automatically detects specific bacteria species with high sensitivity, achieving the gold standard in a much shorter time at affordable prices not only for regulators but also for industrial end-users.

Quick and Easy Field Tests of Bacteria

- ✓ New test reagent with 2 fold higher sensitivity
- ✓ New test protocol for large volume sample (>1 litre)
- ✓ LOD of 1 CFU within 6 hours, achieving WHO's guidelines for drinking water quality
- ✓ Automated protocol with multiple samples detection and cloud



Operation Procedure



Technical Specifications

Bacpro Rapid Portable Microbial Sensor for Environmental, Food & Pharmaceutical

Method	<ul style="list-style-type: none">• Enzyme substrate
Operating Environment	<ul style="list-style-type: none">• Indoor and outdoor• Temperature: -10 to 45 °C• Humidity: up to 90%
Test in Parallel	<ul style="list-style-type: none">• 4 samples
Consumables	<ul style="list-style-type: none">• Microfluidic cartridge• Reagent
Time to Results	<ul style="list-style-type: none">• 3 - 6 hours
Size	<ul style="list-style-type: none">• 300 x 250 x 150 mm
Weight	<ul style="list-style-type: none">• 10 Kg
Power	<ul style="list-style-type: none">• ~20 W
Application Scenarios	<ul style="list-style-type: none">• Treated/surface/underground water test• Civil water test• Community water test• Rural water test

At Nm3 Tech, we aspire to become the leading provider of innovative and comprehensive environmental sensing and monitoring solutions that empower organisations and communities to safeguard our planet. With our expertise in IoT and big data analytics, we aim to provide advanced and reliable systems that covers water, air and soil quality monitoring, enabling our stakeholders to make informed decisions and take effective action towards environmental sustainability and responsible resource management for future generations.

For more information, please visit <https://www.nm3.sg>.



Headquarters

8 Boon Lay Way, #02-01
Singapore 609964
Tradehub 21

☎ +65 8777 4987

✉ info@nm3.sg

R&D Centre

PUB Singapore Water
Exchange, 84 Toh Guan Road
East #03-05, Singapore 608501