The microbial awareness solution

Control Devices

> Simple, Ready-to-Use and expert

nomad
MICROBIAL TESTERS

Technique made simple

Simple

The all-in-one Tester for liquids and the Swab Test kits simplify routine microbiological analysis
of liquids and surfaces for levels of environmental and spoilage bacteria, yeast or mold

Easy-to-Use: Simply add a small sample of liquid to the Pre-sterilized sampler or wipe a surface of interest with the Swab

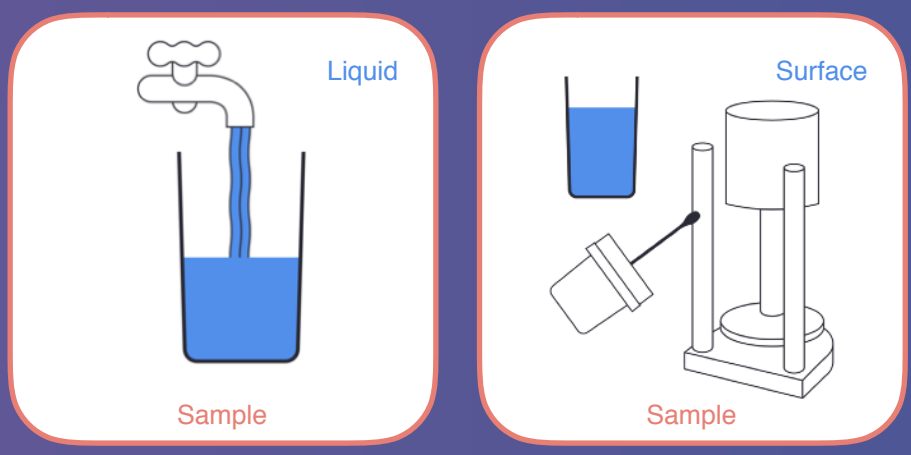
Easy-to-Store: Stable at room temperature for 12 months

No waste of time: Incubation starts within minutes after sampling

Ready-to-Go: no dedicated equipment, ideal for testing campaigns and sporadic use

Efficient: With all-in-one sampling and testing device, no time, energy nor material spent on transporting the sample back to the lab

Relevant: Results comparable to those obtained in a lab



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MICROBIAL TESTERS

Anytime, anywhere, anyone

Simple

- All-in-One Sampler and Tester
- Easy storage and transport

Versatile

- Total bacteria, coliform, yeast & mould
- All surface types

Ready-to-Go

- Lab-less
- Training-less
- Equipment-less

Convenient

- Routine testing
- Test campaigns
- Autonomously

Established technique

- Culture method
- Membrane Filtration
- For stressed micro-organisms

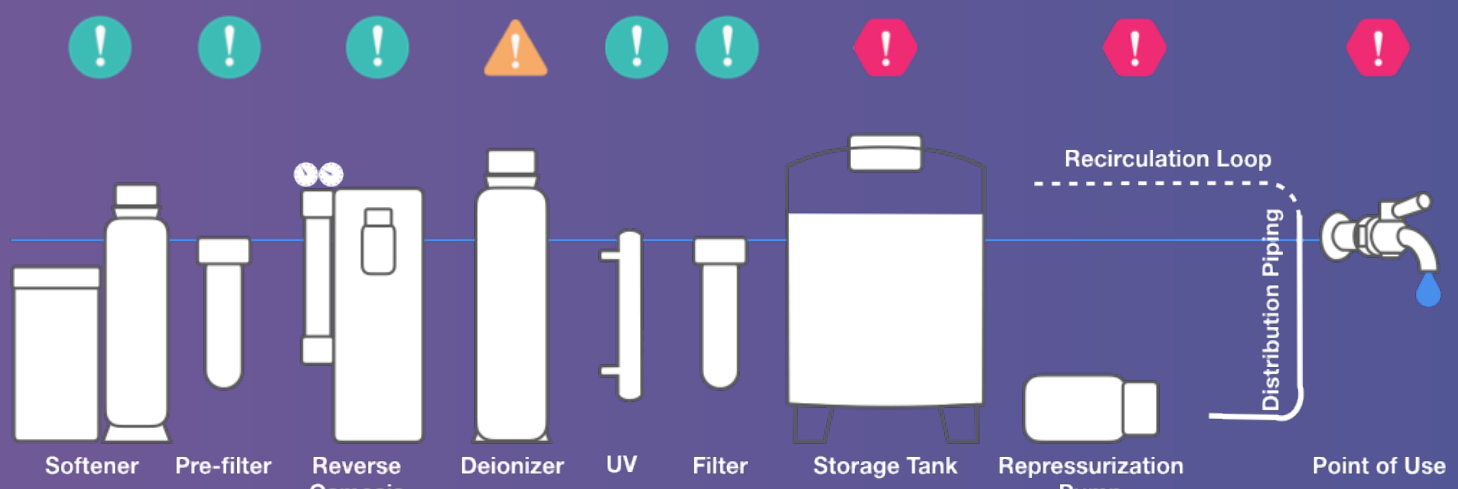
Keys to microbial risk management

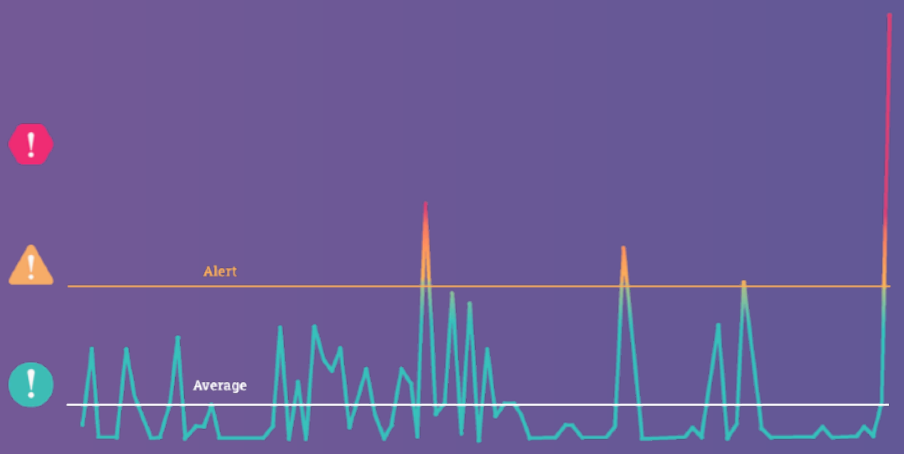
Accessible monitoring programs

- Established principles and references
- Limited/no calibration
- Errors limited by protocol simplicity
- Facilitated verification/secondary validation

Powerful data

- Decontamination effectiveness
- Process monitoring
- Raw material incoming control
- Environmental mapping
- Hygiene measures
- Collaborator awareness
- Off-site, supply-chain audits





Monitor contamination and analyse trends

Risk navigation

- Reassure customers
- Prevent spoilage during distribution
- Identify cause of Out-Of-Specification
- Conduct autonomous investigations
- Increase awareness to hygiene concerns
- Collect data for Quality Assurance
- Check sanitary design

For a range of Applications

Water Treatment, Storage and Distribution System Monitoring

As soon as there is water, there is potential for microbial development

Controlling water quality is important for process water and when it is an ingredient to the final product

Most water treatment, storage and distribution systems offer built-in on-line sensors for monitoring chemical and physical water parameters but not for bacterial growth

For your peace of mind, we offer guidance and templates for easy implementation of water system microbial monitoring procedures, testing protocols and analysis with the nomad devices

- **Food & Beverages**
- **Fuels and Chemicals**
- **Aerospace, Defense, Marine**
- **Medical Centers**
- **Biopharmaceutical, cosmetics**
- **Water management**
  - **Waste water treatment**
  - Distribution and storage
  - Purification
- **Machinery and Equipment**
- **Microelectronics**

Process Monitoring

Each step of a process affects the products microbial flora, potentially in more than one way
Flora variations in nature and quantity over time and throughout the process, particularly after maintenance or a change are an indication of process stability

Unexpected or rare events are opportunities to understand more about a process and its vulnerability to contamination. If a test is not available at the time and location of the event, the opportunity may be lost

The Testers and Kits can be stored anywhere at room temperature and are ready at anytime, meaning that a « crisis » or « curiosity » investigation is always possible

Brand Support

Your valuable brand image is probably an important reason why consumers use your product. If it is handled by external logistics, resellers or retailers, your reputation also depends on how the product is treated by a third party, over which you have less control.

When a product is at risk of being altered by an independent company you may want to check that the end user experience is as good as you expect.

However, sampling and testing the microbial status of a product at a point of consumption without alerting customers may be difficult.

nomad Testers are ideal from such test environments. They can be used by anyone, anywhere with a few minutes training and hold in a pocket. On-site sampling and testing can go unnoticed and provide a quantified assessment of third party hygiene and other practices.

Collaborator Awareness

Safety and hygiene at work are important.

Unlike heavy equipment or labeled chemicals, micro-organisms are invisible and poorly understood by most at the workplace

Promoting hygiene and safe practices internally can be difficult.

Testers and kits are simple and safe to use. They help increase awareness in a fun way

Decontamination Efficiency Control

No single sanitary is known to be effective against all micro-organisms, microbial flora can vary seasonally and some surfaces may present compatibility issues with some sanitants which limits their use.
Controlling surfaces after sanitisation is a good practice to monitor decontamination efficiency

Surface testing without neutralisation of sanitant residues may lead to erroneous results due to delayed growth of chemically stressed micro-organisms

The HPC swab kits address this concern. The swab buffer volume and composition dilutes and neutralises chlorine and quaternary ammonium sanitants. The media is adapted for growth of stressed micro-organisms.

Soon in your hands

-50 % € / test*

-30% Time

0 Investment

Painless, Penless traceability

Simpler

- Easier-to-Trace: Just take pictures of the device's QRCode throughout the test to replace all hand notes. That way, trace the sampling point, the test start time, colony growth evolution and any other event you may want associated with the test
- Easy-to-Manage: Use the always handy Unique Device Identifier to sort devices when multiple test are conducted simultaneously, without risking any confusion
- Easy-to-Read: Most Smartphones and pads will offer the equivalent of a 10 x device magnification, so you can do the colony counting and recognising easier, later and elsewhere
- Easy-to-Share: Have a doubt ?
  Share the picture with a colleague or an expert !
- Automated: Automatic colony count, reporting and archiving
- Expert: automated data analysis for trends and alerts, intelligent colony morphology analysis to monitor changes in flora populations

* Cost of Ownership

Digital microbiology

Microbial awareness solution

- For businesses and offices who want to see the invisible life, decide and take control
- Decision-making and pragmatic solutions for simple monitoring and prevention of contamination risks
- Even when a microbiology laboratory and expertise are not readily accessible

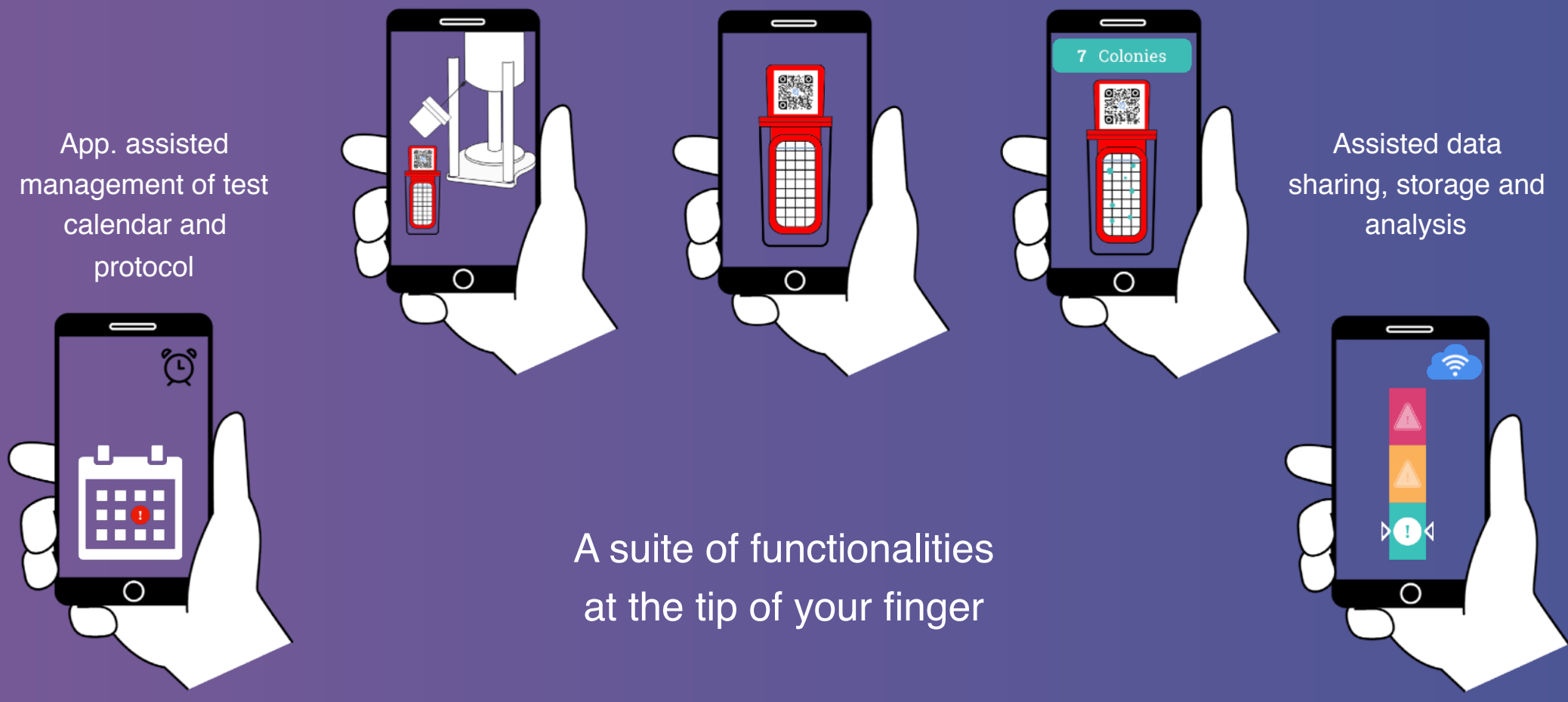
App. assisted management of test calendar and protocol

Sampling records

Test traceability by QRCode

Automated colony enumeration, reporting

Assisted data sharing, storage and analysis



A suite of functionalities at the tip of your finger

nomad MICROBIAL TESTERS

Application Guide

Application	Testers for liquids			Swab Kits for surfaces		
	Red	Blue	Yellow	Red	Blue	Yellow
Waters Potable, purified, for production, research, cleaning...	●					
Surfaces Sanitary design, decontamination, troubleshooting...				●		
Waters Waste, irrigation, crop washing...		●				
Process control Equipment, WIP material...	●			●		
Food & Beverage Spoilage, fermentation, hygiene	●		●	●		●
Raw Materials Foodstuff, oils, containers...	●			●		
Hygiene Monitoring Hands, surfaces...	●			●		
Field Testing	●	●	●	●	●	●
Environment Store/Work areas, transport...	●		●	●		●
Target Organisms	Total Count of stressed or non-stressed	Coliform species	Yeast and Mold	Total Count of stressed or non-stressed	Coliform species	Yeast and Mold

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