

KNOW THE WATER QUALITY

MICROBIAL MONITORING



RAS



Aquaponics



Indoor
Aquaculture



Hydroponics

ON-SITE, REAL-TIME & FULLY AUTOMATED

MICROBIAL LEVELS IN YOUR
SYSTEM ARE CRUCIAL.

**WE GIVE YOU ALL THE
NUMBERS – AROUND THE
CLOCK, FULLY AUTOMATED.**



RAS



INDOOR AQUACULTURE

MONITOR MICROBES THE SMART WAY

Manual monitoring the traditional method



✗ Manual sampling

Collecting samples is slow, expensive, labor intensive and limited to working hours.

✗ Laboratory processing

Handling of samples requires expert personnel and internal laboratories or external services.

✗ Delayed results

Traditional methods have long time lags between sample collection and end results.

✗ Shaky information

Less than 1 % of microbes can be cultivated and infrequent sampling lacks representativeness.



Online monitoring the onCyt method



✓ Online sampling

Samples are drawn 24/7 from multiple points in your circuit and monitored live and remotely.

✓ Automated processing

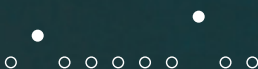
Samples are processed and measured without a single manual step.

✓ Real-time results

Results are available within minutes allowing for immediate corrective or preventive actions.

✓ High-resolution data

Continuously quantifies concentration and assesses microbial viability and activity in your system.



sporadic information:
tricky decisions



onCyt information:
data-driven decisions

MONITOR AND OPTIMIZE

Water treatment
Biofloc system
Biofilter performance



DETECT AND AVOID

Bacterial & algae blooms
Deviation from baseline
Production losses
Quality deterioration



6 GOOD REASONS FOR ONLINE MONITORING



Data is power

Know the range of acceptable levels and fluctuations to maintain high microbial water quality in your system.



Process & risk management

Early-warning and constant surveillance enable proactive, data-driven decision making.



Product quality

High abundance of microorganisms can directly or indirectly affect end product quality.



Efficient production

Avoid losses or product recalls and increase reputation and customer satisfaction.



Cost savings

Save money by decreasing wasted production, minimizing downtimes and increasing infrastructure lifetime.



Ease of use

Gain meaningful data on microbial water quality, with no need for extra personnel and infrastructure.

TOWARDS SAFE, STABLE, AND CONTROLLED SYSTEMS

OUR OFFERINGS

We customize a complete package of services designed to ensure the success of your company's online microbial monitoring with measurable benefits and value to your business.

MONITORING SYSTEM

Fully automated sampling and measurement device.

Software turning complex measurements into actionable information.

HANDS-ON SUPPORT

Kick-start your application with training and installation support.

Measurement campaigns for specific questions or as a first step towards modern microbial monitoring.

EXPERT CONSULTANCY

Translating new insights into direct customer value, based on industry-leading know-how.

BRING YOUR MICROBIAL PROCESS ANALYTICS TO THE NEXT LEVEL

Our team is ready to answer your questions and tailor solutions specifically to your needs.

