



CytoQuant®

Mobile Flow Cytometer

CytoQuant® is an impedance flow cytometer that empowers risk-based decision-making and facilitates proactive intervention by delivering total viable counts in just 30 seconds, right on the production site.

Enhanced process control

CytoQuant® revolutionizes microbial monitoring by providing point-of-need, direct, real-time counts. Producers can monitor total contamination at critical control points with greater precision, efficiency, and higher resolution. This proactive approach allows for early identification of deviations from acceptable microbiological criteria, facilitating timely interventions to maintain process control and uphold safety and quality.

CytoQuant® enables comprehensive quality assurance. By ensuring that microbial counts remain within acceptable limits, companies can maintain the highest standards, thereby enhancing consumer trust.

Risk mitigation and regulatory compliance

Using CytoQuant® for on-site microbiological testing enables prompt risk mitigation. With direct, real-time counts, producers can implement targeted interventions to prevent contamination and minimize the risk of foodborne illnesses. This proactive approach safeguards consumer health and protects brand reputation.

Regulatory agencies emphasize the importance of monitoring microbial contamination in the production environment to ensure compliance with safety standards. By incorporating CytoQuant®, companies can demonstrate their commitment to food safety and regulatory compliance, minimizing the risk of non-compliance penalties and product recalls.

What is impedance flow cytometry?

Due to their intact outer layers, viable microbial cells suspended in an electrolyte solution have electrical properties that vary with the frequency of a passing current, causing subtle fluctuations in impedance. Impedance flow cytometry measures these fluctuations, directly counting all types of bacteria, regardless of their growth requirements or physiological state.



Features and Benefits

Fast total viable counts allow for focused and effective preoperational action

→ enhanced food safety

Direct microbial counting provides a high-resolution view into production hygiene

→ improved shelf-life, less food loss and food waste

Accurate microbiological results facilitate efficient risk mitigation

→ no false alarms, easier regulatory compliance

A handheld instrument and a straightforward method that requires minimal skill or training

→ ideal for on-site testing



CytoQuant®

Quick Reference

Carefully read the user manual before performing any test.

Protocol for surface testing

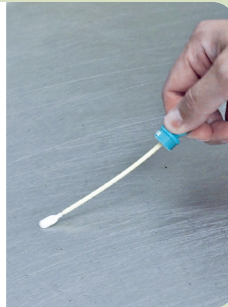
1

Unscrew the cap and take out the swab from the vial.



2

Swab the surface to be tested in a crisscross pattern.



3

Return the swab into the vial and screw it closed.



4

Shake to suspend bacteria and other particles in the buffer.



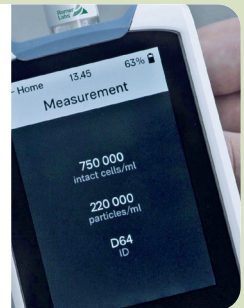
5

Insert the swab vial into the device and select the measuring program.



6

Read the results displayed on the screen after only 30 seconds.



For information on the testing of liquid samples, such as rinse waters, please consult „Instructions for the Testing of Water“.

Ordering Information

Item	Description	Item No.
CytoQuant® Flow Cytometer*	1 pc	10006469
CytoQuant® CountCell™	1 pc	10006471
CytoQuant® Swab Vial	72 pcs	10006468
CytoQuant® Aqua Vial	72 pcs	10007101
CytoQuant® Cleaning Vial	72 pcs	10007028
CytoQuant® Deep Cleaning Vial	8 pcs	10007081
CytoQuant® Electrolyte Solution	10 pcs	10007030
CytoQuant® Operational Qualification Kit	8 tests	10007195
CytoQuant® Case	1 pc	10007108

*(incl. CytoQuant® CountCell™)