

PROFESSIONAL HYGIENE MONITORING

WITH THE NOVALUM II - ATP DETECTION SYSTEM





Analysengeräte, Spezialreagenzien, Schnelltests zur Untersuchung von: Getreide, Futtermittel, Mehle, Milch u. Milchprodukte & Rohmilch
Tests auf Antibiotika & Mykotoxine - Schnellanalyse der Betriebshygiene, Produktsicherheit & Haltbarkeit von Lebensmittel - Peel Plate Mikrobiologische Tests



PeelPlate
zeitgemäße Mikrobiologie

EINFACH, RICHTIG, GUTE ANALYSENTECHNIK!

Alfred Schiechel ANA.LI.TIK. e.U. AUSTRIA • Ferchergasse 7 / Top 1, 1170 Wien / Österreich
Tel: +43.664.20 47 067 • Email: analitik-austria@chello.at • www.analitik-austria.com
Service-Center / Versand: Koppstr. 92 / 1 • 1160 Wien / Österreich • Email: lager1160@analitik-austria.com



S & Xgrain
zeitgemäße Getreidemessung



NOVALUM II - ATP DETECTION SYSTEM

SUPERIOR SCIENCE FOR ADVANCE SANITATION CONTROL

Advanced Sensitivity

The novaLUM II ATP Detection System is a palm sized luminometer that offers superior science for advanced sanitation control. It utilizes a technologically advanced photomultiplier tube (PMT) that amplifies ATP (adenosine triphosphate) allowing detection of lower levels of microbial and organic contamination.

This is a distinct advantage over systems that use less sensitive PMTs or photodiodes. The novaLUM II system's PMT has low noise, a greater dynamic range, a faster response time, and accuracy over a wider temperature range.

Audit Compliant

Meet internal and 3rd party audits with novaLUM II ATP detection system's Swab Site Location, Re-test option, and a variety of other customizable features to comply with HACCP and GFSI documentation. The novaLUM II system even identifies areas that have not been re-cleaned and/or retested.

Customizable

Not only is the novaLUM II system extremely versatile, it is also easily customizable to your facility's needs. Your Charm sales or service representative will assist you in programming your novaLUM II system with the names of the specific tests you will perform, so you have a completely automated test plan. Different pass/ fail thresholds can be assigned to single test areas or to categories.

Enhanced Data Analytics

The novaLUM II system has enhanced onboard data analysis tools including the ability to search historical results and add corrective action results and to generate graphs for rapid analysis of Pass/Fail percentages for key areas of the plant. With built-in wireless connectivity these graphs can be emailed to key managers immediately after pre-op.



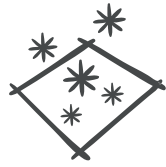
Alfred Schiechel
ANA.LI.TIK. e.U. AUSTRIA

**EINFACH. RICHTIG GUTE
ANALYSENTECHNIK!**

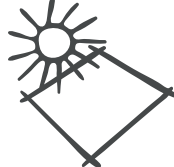
Tel: +43-664-20 47 067
analitik-austria@chello.at



WHICH TEST?



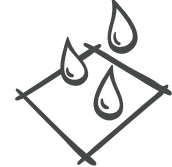
ALLERGENES



OUTDOOR



SURFACES



H2O



AllerGiene®



FieldSwab®



PocketSwab® Plus



WaterGiene®

Charm AllerGiene is an ATP-based allergen control test designed to prevent cross-contact from allergenic food soil on process equipment. It measures ATP (adenosine triphosphate) at low levels as an indicator for the presence of food on wet-cleaned surfaces or rinse waters. AllerGiene is a simple 20-second swab test with sufficient high sensitivity to allergenic food residues to achieve detection comparable to specific allergen methods - 0.1 to 25 ppm for most of the eight allergen food groups: Peanut butter, wheat, soybeans, crustacean (shrimp), milk, tree nuts, egg, and sesame.

The Charm AllerGiene hygiene test can be implemented in HACCP programs, helping manufacturers prevent allergen cross-contamination by verifying the cleaning and removal of food residues from shared processing lines. Immediate results from AllerGiene enables re-cleaning before the next production cycle.

The Charm FieldSwab ATP swabs enable food safety programs to be implemented outdoors. Like the PocketSwab Plus ATP swab, the FieldSwab rapidly detects ATP (adenosine triphosphate) as a measure of surface cleanliness. This is done by measuring the light units produced when ATP reacts with Luciferin/ Luciferase. The FieldSwab has a light-blocking cover to prevent interferences from daylight and uses a specially calibrated channel on the novaLUM luminometer.

The FieldSwab provides outdoor sanitation monitoring in 30 seconds. It is ideal for testing food grade trucks, including gaskets and hoses. Grain producers can test bins, conveyors, rail cars, screeners, and other equipment. In the field, produce manufacturers can test harvesting equipment, blades, belts, chutes, irrigation equipment, and other farming equipment.

The PocketSwab Plus rapid ATP (adenosine triphosphate) swab is room-temperature stable, self-contained, single service test that enables total surface hygiene verification in only 5 seconds, allowing real-time corrective action. The PocketSwab Plus ATP swab is relied on for cleaning verification and validation of sanitation and hygiene practices to help prevent cross-contamination and microbial challenges due to ineffective sanitation procedures. Data is collected track/trended for HACCP documentation and food safety/quality audit purposes. Used by the food processing, pharma and healthcare industries, the PocketSwab Plus gives managers an objective tool for monitoring sanitation practices and hygiene control. The PocketSwab Plus rapidly verifies a surface is clean so workers can safely proceed with food production or providing clean rooms for patient admission.

Charm WaterGiene is used to test the sanitation of water, including CIP water, rinse waters, and cooling water. WaterGiene measures water cleanliness in 20 seconds by measuring total ATP. High ATP levels indicate that microorganisms, food, and other biologicals are present in the water. Water quality is measured by dipping and twirling a WaterGiene swab in the water sample or by swabbing a rinsed surface. WaterGiene is used by food processing plants to test process water, pipes, and tanks/silos. Hospitals and surgical centers use WaterGiene to verify equipment is clean.



BENEFITS

- Wirelessly email analytical graphs from novaLUM II system
- Include corrective action notes directly to test results on the novaLUM II system
- Add new swabbing locations through the novaLUM II touch screen

TAKE A CLOSER LOOK

Charm Sciences has developed scientifically advanced chemistry for the PocketSwab Plus and related Charm tests for sanitation, allergen control and pasteurization verification. This chemistry, combined with the internal multiplication of the novaLUM II system's PMT detector, amplifies even the smallest light signal to detect the lowest level of contamination.

ADD VALUE TO YOUR BUSINESS

Charm Sciences values our customer's business, brand and reputation. That's why Charm built the novaLUM II ATP detection system with an advanced PMT for superior sensitivity, a complete keyboard for streamlined sampling, and error-proof direct swab-entry chamber. Bottom Line: Risk is reduced, product quality is improved, and shelf life is extended due to improved sanitation.

LEADING BY EXAMPLE

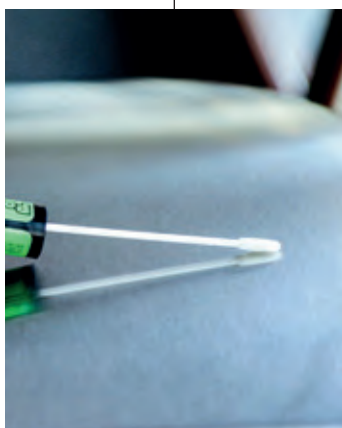
The novaLUM II ATP detection system is used successfully by diverse industries including food and beverage, pharmaceutical, industrial, personal care, cosmetic, and healthcare. Since it is fully customizable and can be preconfigured to meet unique sampling and testing environments, industry leaders choose Charm's novaLUM II system to strengthen their sanitation and hygiene monitoring programs.

MANUAL



Open

Withdraw the swab by gently pulling and twisting the swab handle.



Swab

Swab an area 100 cm² (16 in²). Rotate the handle to achieve full swab contact with surface.



Reinsert

Reinsert the swab



Twist

Twist the handle down.



Shake

Gently shake side to side 3 times. White tablet will break apart.



Insert & start count

Insert the PocketSwab Plus swab fully into the chamber of the novaLUM® II system in an upright position. Press to start count.



Result

Results in 5 seconds. The result of "Pass" or "Fail" is based on established limit.



Alfred Schiechel
ANA.LI.TIK. e.U. AUSTRIA

EINFACH, RICHTIG GUTE
ANALYSENTECHNIK!

Tel: +43-664-20 47 067
analitik-austria@chello.at

**EINFACH, RICHTIG GUTE
ERGEBNISSE!**



**Alfred Schiechel
ANA.LI.TIK. e.U. AUSTRIA**

Büro: Ferchergasse 7 - Top 1
1170 Wien/Vienna

www.analitik-austria.com

Tel: +43-664-20 47 067

Email 1: analitik-austria@chello.at

Email 2: lager1160@analitik-austria.com

Lager: Koppstrasse 92/1
1160 Wien/Vienna
Österreich/Austria

**EINFACH, RICHTIG GUTE
ANALYSETECHNIK!**

