

novalUM II-XTM

Works With:

- PocketSwab Plus ATP Test
- AllerGiene ATP Test
- WaterGiene ATP Test
- FieldSwab ATP Test
- F-AP Fast Alkaline Phosphatase Test
- PasLite Test
- Charm CideLite Test (Pesticide Test)



novalUM[®] II-X System

Superior Science for Advanced Sanitation Control

CHARM
SCIENCES INC
NOTHING WORKS LIKE A CHARM

Sanitation Verification Simplified

Effective sanitation leads to improved product quality, extended shelf life, and reduces microbial challenges in the factory to help protect the brand from product recalls.

Charm has developed scientifically advanced swab chemistry for effective sanitation and allergen control, pasteurization verification, and pesticide screening. This chemistry, combined with the internal multiplication of the novaLUM II-X system's photomultiplier tube (PMT), amplifies even the smallest light signal to detect the lowest level of contamination.

Time is Money: Reduce Pre-operational Testing Time

Five-second real-time results. Risks can be assessed immediately, corrective actions expedited, and production started with confidence.



Save Money with Improved Sanitation Monitoring

- Reduce microbial challenges
- Improve product quality
- Reduce consumer complaints
- Extend product shelf life

Technology Designed to Support Your Quality Management System



Efficient Data Collection and Documentation from Factory Floor

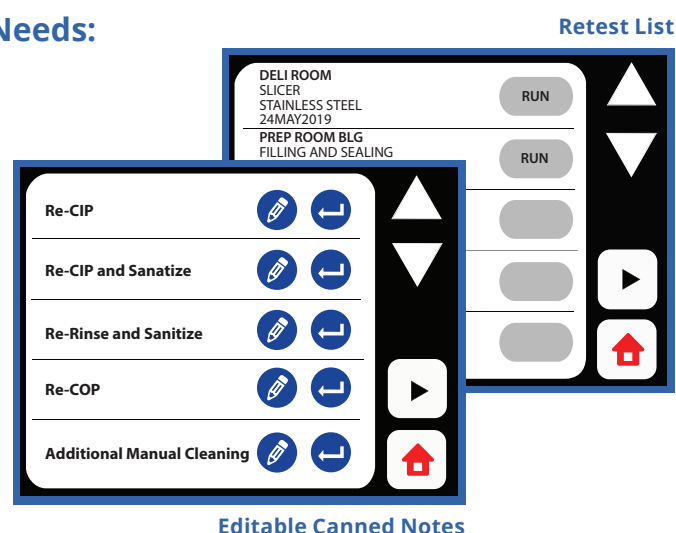
- Wirelessly email test results from novaLUM II-X system
- Document corrective action notes directly to test results on the novaLUM II-X system
- Add new swabbing locations through the novaLUM II-X touch screen



Streamlined Corrective Action Documentation

Meet SQF/BRC/FSC22000 Audit Documentation Needs:

- Retests from a reclean auto-increment until a passing result is achieved. It will then be removed from the retest list.
- The equipment must be re-cleaned prior to the retest.
- Document correction on the novaLUM II-X system.
- Correction notes sync to database.
- Customizable notes to meet SSOP/GFSI documentation needs.



Works with the following tests:

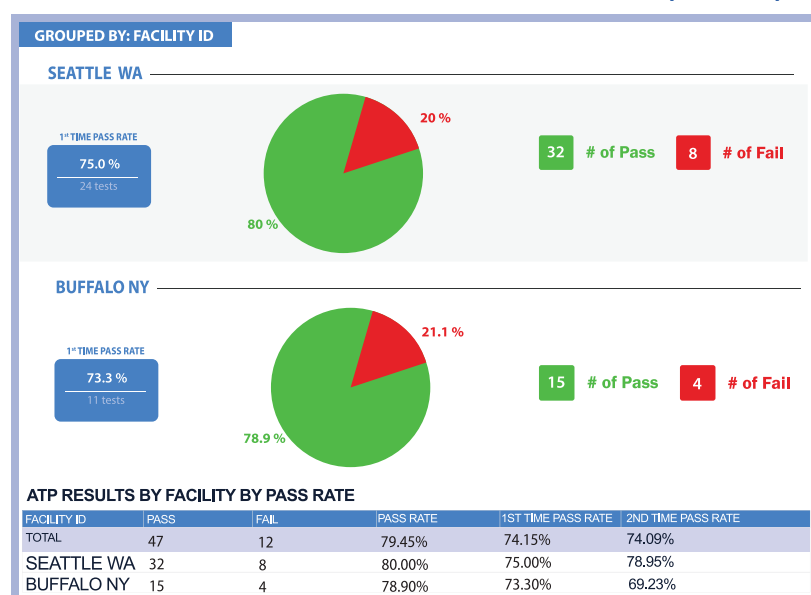


Data Analytics

- **WiFi Data SYNC** - From the novaLUM II-X instrument to the computer in real time to both local and/or corporate database.
- **novaLINK Software** - Auto-emailing of sanitation reports to managers ranking each factory's pass/fail % which helps control sanitation costs and investigate SSOP where first-time pass rate is out of spec.
- **Auto-email Trigger** - Daily, weekly, monthly sanitation verification reports sent to Corporate Quality, QA, Sanitation, and Operation Managers.

Data Integrity - Meets Title 21 CFR part 11 for electronic records. The system features an updated protected database structure enabling encrypted data results and individual password per operator ID.

Corporate Report

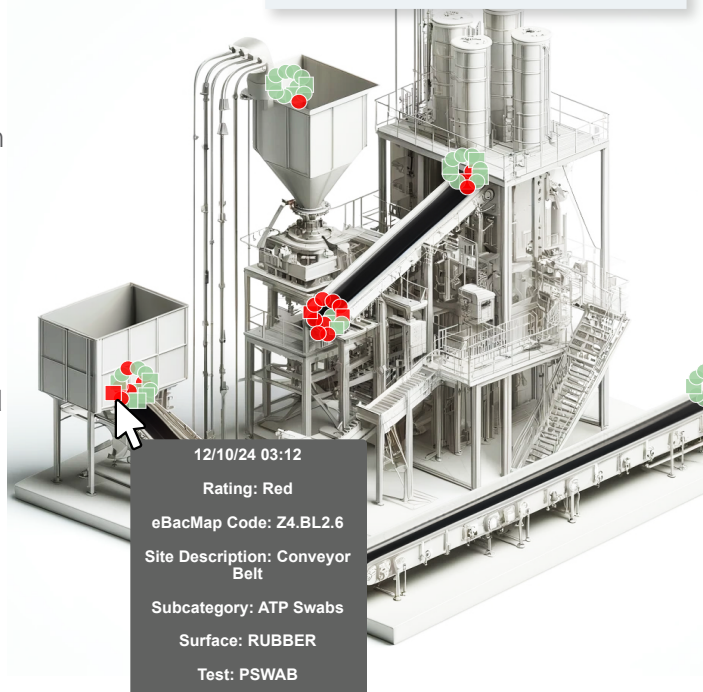


eBacMap® Data Mapping & Trending

Most recalls are preventable. Charm helps you prove it.

- Access prebuilt and custom trend reports on demand, so your team is always ready for management review and audits.
- Reduce the risk of recall by detecting contamination in Zone 1 through 4 contact surfaces and high-risk areas early.
- Upload ATP results directly to a 2D or 3D map of your facility via WiFi, complete with historic trending data.
- Use 3D mapping to support operational training and better manage your critical control points.

- Microbial Conforming Result
- Microbial Non-Conforming Result
- ATP Conforming Result
- ATP Non-Conforming Result



Quantify. Verify. Satisfy.

- Understand your facility's environment through results mapping, trend reports, a sample scheduler, and digital CAPA records.
- Implement targeted corrective and preventive actions.
- Create sampling schedules on a routine or randomized basis to ensure that all sites are adequately monitored.
- Investigate more thoroughly and intentionally.
- Communicate and Collaborate more effectively with your food safety team.



*See your facility mapped
in minutes. Ask us how.*



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