

Superior Science for Advanced Sanitation Control

**noVaLUM<sup>®</sup>**



- 1 Advanced Sensitivity:** The noVaLUM utilizes a technologically advanced photomultiplier tube (PMT) that is more sensitive to ATP (adenosine triphosphate) presence allowing detection of lower levels of microbial and organic matter contamination. This is a distinct advantage over systems that use less sensitive PMTs or photodiodes. The noVaLUM's PMT has low noise, a greater dynamic range, a faster response time, and accuracy over a wider temperature range.
- 2 Time is Money:** noVaLUM's high-speed data processor allows a quicker 5 second read time. Risks can be assessed immediately, corrective actions expedited, and production started with confidence. Reduce pre-op testing time by as much as 83% compared to other systems.
- 3 Audit Compliant:** Meet internal and 3rd party audits with noVaLUM's Swab Site Location Re-check option, and a variety of other customizable features to comply with HACCP and GFSI documentation. The noVaLUM even identifies areas that have not been re-cleaned and/or retested. Charm provides calibration documentation, ATP standards, comprehensive on-site trainings, and certification to meet individual requirements.
- 4 Random Sampling:** Auditors look favorably on documented random sampling and corrective action plans within ATP monitoring programs. The noVaLUM eliminates subjectivity by directing operators to swab randomly selected sampling points from within their pre-programmed sampling plans.

The Charm  
noVaLUM is  
the preferred ATP  
detection system  
to monitor cleaning  
effectiveness  
of sanitation  
programs



### noVaLUM

#### Take a Closer Look:

Charm 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 PMT detector amplifies even the smallest light signal to detect the lowest level of contamination.

### noVaLUM

#### Add Value to your Business:

Charm values our customer's business, brand and reputation. That's why Charm built the noVaLUM with faster read-times, 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.

### noVaLUM

#### Leading by Example:

The noVaLUM is used successfully by diverse industries ranging from 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 to strengthen their sanitation and hygiene monitoring programs.

**Quick Results =  
Faster Pre-Op Inspection**

**Reliable Detection =  
Confidence in Results**

# Maximize your Investment

# novaLUM

**One Instrument, Multiple Tests: The novaLUM's unprecedented versatility allows for a variety of different luminescence tests to be run with a single instrument.**



## PocketSwab<sup>®</sup> Plus

PocketSwab<sup>®</sup> Plus utilizes unique, patented technology to detect ATP associated with microorganisms and food/organic product residues on surfaces. PocketSwab Plus is room-temperature stable, saving on storage and shipping costs, and making it easier to transport to multiple inspection sites.



## AllerGiene<sup>®</sup>

AllerGiene<sup>®</sup> helps prevent cross-contact contamination from allergenic food residues by monitoring food contact surfaces and final rinse water with a highly sensitive ATP test. AllerGiene strengthens allergen control programs by improving cleaning efficiency. It also augments specific protein based testing by providing a faster, simpler and more convenient method for allergen control.



WaterGiene is a rapid sanitation/hygiene test used to detect the presence of ATP as a marker for biological contaminants in water and on wet surfaces.



FieldSwab is the first ATP bioluminescence test specifically engineered to work on product contact surfaces in outdoor environments. FieldSwab is also room-temperature stable, saving on storage and shipping costs.



Charm CHEF (Cooking Heat Efficiency) test measures phosphatase activity as an indication of whether meat has been fully cooked.

## F-AP<sup>®</sup> Test

Fast Alkaline Phosphatase

Charm F-AP test is a simple one-step phosphatase method to verify completeness of pasteurization in dairy products. Results are delivered in just 45 seconds. NCIMS Approved.

## PASLite

Alkaline phosphatase test

PasLite monitors pasteurization efficiency by detecting alkaline phosphatase in dairy products. NCIMS, IDF, and ISO Approved.

## CideLite

CideLite detects pesticides in water, feeds, and a variety of other food products.

# novaLUM

## Instrument Overview





Charm's highly customizable **novaLINK** provides complete document control and optimization of sanitation programs

**Customized Reports:** Simplified reporting function allows filtering and selection of data needed to build customizable reports. Preprogrammed interactive graphics enable simplified monitoring of corrective actions.

**Access to Critical Information:** Achieve maximum productivity with novaLINK's simple to use, point and click interface to easily access, analyze, and manage data from multiple novalUMs. Complete data archive capabilities enable analysis of historical records.

**Flexible and Configurable:** Programmable by swab site, grouped sites, facility layout, product line, process type, shift periods, cleaning programs, surface type, operator ID, novalUM serial number, and limits with pass/fail interpretation.



## System Requirements:

- Processor speed of 1 GHz or higher
- Windows 7®, Windows 2000®, Windows Vista®, or Windows XP® (with administrative rights)
- Microsoft Excel 2000® or above
- 256 MB RAM or higher



## Specifications & Order Codes

Specifications	<b>Unit Dimensions</b>	7.1 x 3.9 x 2.3 inches (18.1 x 9.8 x 6.0 cm, W x H x D)	CE
	<b>Screen Dimensions</b>	2.3 x 1.5 inches (5.8 x 3.9 cm, W x H)	
	<b>Weight</b>	< 1 lb (450 g)	
	<b>Power Source</b>	Internal rechargeable battery; AC operation during recharge	
	<b>Power (AC)</b>	Adapters for 110 V / 60 Hz or 220 V / 50 Hz	
	<b>Power Save</b>	Adjustable shut-off time to conserve battery when no activity	
	<b>Battery Monitor</b>	Continuous battery status display with low battery warning	
	<b>Swab Chamber</b>	Patented open-chamber design; no lids, latches or doors	
	<b>Calibration (ATP)</b>	Factory-set to traceable Primary Reference Standard (ATP controls available for verification)	
	<b>Memory Capacity</b>	4,999 test results; 400 swab sites per sampling plan	
	<b>Regulatory</b>	CE approval	

Order Codes	<b>novalUM with carrying case, PocketSwab carrying case, USB cable and novaLINK</b>	NOVALUM
	<b>1000 Tests, Charm PocketSwab Plus</b>	POCK-PLUS-1000K
	<b>700 Tests, Charm PocketSwab Plus</b>	POCK-PLUS-700K
	<b>400 Tests, Charm PocketSwab Plus</b>	POCK-PLUS-400K
	<b>100 Tests, Charm PocketSwab Plus</b>	POCK-PLUS-100K
	<b>100 Tests, Charm AllerGiene</b>	POCK-ALRG-100K
	<b>100 Tests, Charm WaterGiene</b>	POCK- H20P-100K
	<b>100 Tests, Charm FieldSwab</b>	POCK-FIELD-100K

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