

A Star is Born



NOVALUM[®]

The Future of ATP Hygiene Testing For
Animal Care Facilities is Here

wireless

802.11b

CAPABILITY

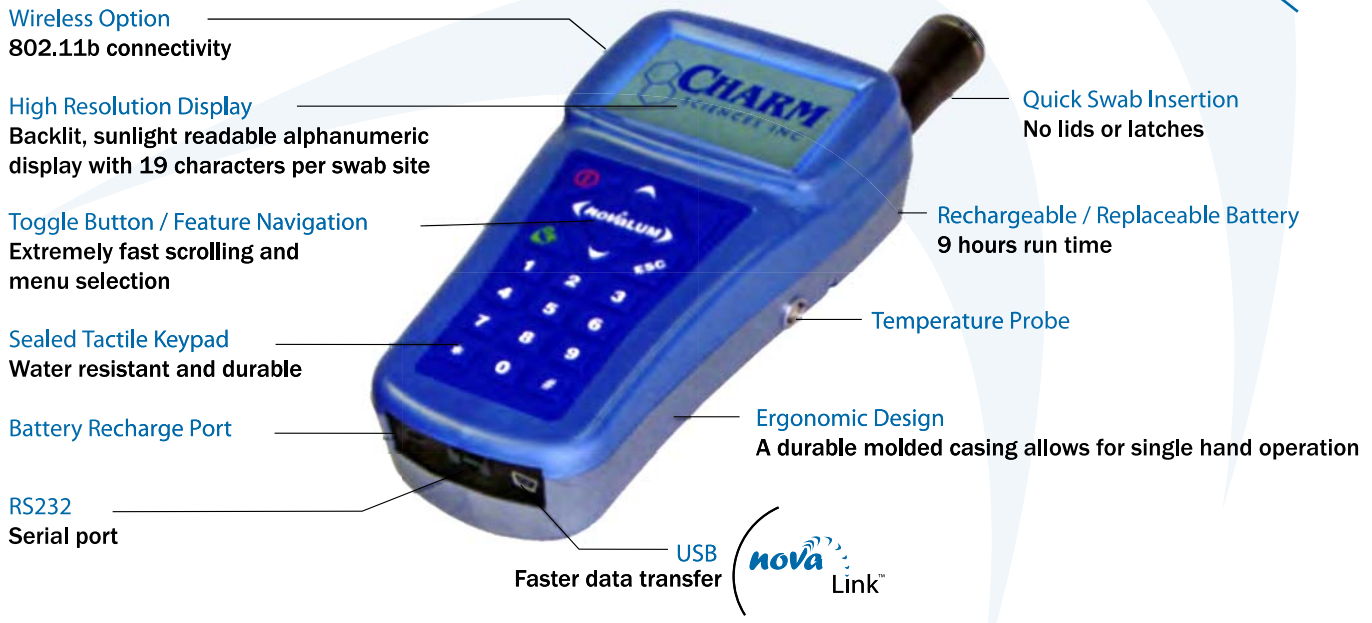
A Complete Conceptual Redesign

The novalUM's revolutionary light-weight ergonomic design offers unrivaled versatility with three test applications for the animal lab environment. It's unique metallic like surface is 'ruggedized' to operate in the toughest environments.

Built with a high speed data processor, novalUM achieves unmatched speed by utilizing a complete keyboard with a 'rocker' toggle switch, a rapid reading, and a direct swab entry chamber design, ensuring the fastest pre-operational results in ATP hygiene monitoring programs.

Offering unrivaled speed, versatility, and flexibility, the novalUM sets a new industry standard. The future is here!

Advanced sensitivity | Full numeric keypad | Simple to use menu driven operation
 High speed data processor | Ergonomic rugged design | Weighs 450 grams



CE

Specifications	[Order Code: novalum]
Unit Dimensions	7.1 x 3.9 x 2.3 inches (18.1 x 9.8 x 6.0 cm, W x H x D)
Screen Dimensions	2.3 x 1.5 inches (5.8 x 3.9 cm, W x H)
Weight	< 1 lb (450 g)
Power Source	Internal rechargeable battery; AC operation during recharge
Power (AC)	Adapters for 110 V / 60 Hz or 220 V / 50 Hz
Power Save	When no activity, adjustable shut off time to conserve battery
Battery Monitor	Continuous Battery status display with low battery warning
Swab Chamber	Patented open chamber design; no lids, latches or doors
Calibration (ATP)	Factory Set (ATP controls available for verification)
Memory Capacity	6,000 test results; 400 swab sites per sampling plan
Regulatory	CE approval

Never before has a single instrument offered the versatility of measuring three separate luminescence tests. A high speed processor paired with an advanced photomultiplier tube establishes a new benchmark in instrument speed and sensitivity.

The novaLUM is fully customizable and can be configured prior to shipping to suit your facility needs. Factory set calibrations, and sampling plans, can provide the degree of sensitivity required for your unique test application.



One Instrument, Three Tests | Customizable Sensitivity

The novaLUM utilizes a single use PocketSwab which collects ATP from approximately 100 cm of the surface to be tested. The light emitted is proportional to the amount of ATP being present. This light is measured in "Relative Light Units, RLU".

ATP luminescence shows how much residues are left after cleaning, while the normal method of contact cultures detect only microorganisms. The novaLUM provides a true measure of 'hygiene' and 'cleanliness' by detecting both, microorganisms and food/organic product residues present on surfaces. Organic product residues may provide a nutritious medium for microbial growth and act as barriers to the direct action of sanitizers and disinfectants.



PocketSwab® Plus detects ATP associated with microorganisms and food/organic product residues present on surfaces.
The PocketSwab Plus is now room temperature stable!



FieldSwab™ is the first ATP bioluminescence test specifically engineered to work on product contact surfaces in an outdoor farm/field environment
The FieldSwab is room temperature stable!



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



The Future of ATP Software is Here

Link™

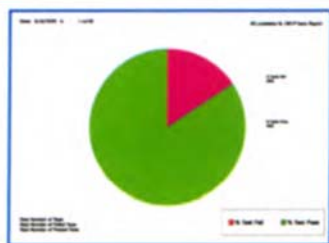
novaLINK AT A GLANCE

- Saves time and lowers QC costs
- Enables immediate corrective action
- Quickly identifies problem areas
- Query, track and trend test results in real-time
- Monitors and tracks results
- Intuitive user interface and operation
- PC / Windows® based software



CUSTOMIZED REPORTS

Flexible reporting function allows filtering and selection of data needed to build customizable reports. Preprogrammed interactive graphics provides 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 novaLUM. Complete data archive capabilities.



FLEXIBLE AND CONFIGURABLE

Programmable by swab site, grouped sites, facility layout, product line, process type, shift periods, cleaning programs, surface type, operator I.D, novaLUM serial I.D, and pass / fail limits and interpretation.

SYSTEM REQUIREMENTS:

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

Manufactured by:



Charm Sciences, Inc.
659 Andover Street, Lawrence, MA 01843-1032
Tel: +1.978.687.9200 | Fax: +1.978.687.9216
Email: info@charm.com | www.charm.com

Distributed By:



Pharmaceutical Research Labs., Inc.
562 Captain Neville Dr. Waterbury, CT 06705
Tel: +1-800-243-5350 | Fax: +1-203-755-4908
Email: info@pharmaceutical.com | www.pharmaceutical.com