Celsis Advance II™ System for Rapid Microbial Testing

As the world's leading innovator in rapid methods, Charles River's Celsis Advance II™ systems are used globally by leading manufacturers in the home, beauty, and pharmaceutical industries. The Celsis® platform delivers quality assurance results in as little as 18-24 hours, enabling rapid confirmation of product quality and quick release to market. This in turn eliminates days from inventory requirements and production cycle times, reduces warehousing costs and working-capital requirements and improves overall profitability.

Quantifiable Savings

With our Financial Impact Assessment (FIA), Charles River can evaluate the cost savings of implementing a Celsis® system in a particular manufacturing facility. Using readily available, company-specific information – including the daily value of finished goods, testing volume, and the number of days products are held in quarantine – the FIA projects the 5-year Net Present Value (NPV) of a company's investment in a Celsis® system. The 5-year NPV for an average manufacturing facility is in excess of $500,000, and most plants realize a return on investment in just 6-9 months.

Advance II™ System

The Celsis Advance II™ allows for complete and automated control over testing protocols, data analysis and archiving. Security features provide data integrity as well as system and records security in accordance with the FDA's 21 CFR Part 11 and the European Union's Annex 11.

Benefits of the Celsis® System

- Shortened production cycles
- Reduced inventory requirements
- Decreased working capital requirements
- Faster release of product to market
- Lower safety stock needs
- Faster response to contamination events
- Higher sample throughput than Celsis Accel®

EVERY STEP OF THE WAY

Celsis Advance® Luminometer

- Voltage: 100-240 V
- Hertz: 50 or 60 Hz

Instrument Dimensions

- (w) 28.5" x (h) 15.8" x (d) 17"
- (w) 65.6 cm x (h) 40.1 cm x (d) 43.3 cm
- Weight: 62 lbs/28 kg

Compatibility

- Validated on Microsoft® Windows® 7 Professional and Windows® 8 Pro

Features

Remote Access: A secure Remote User option allows monitoring of product quality testing results from multiple locations and includes full access to the Report Generator for running queries, analyses, and reports from a local or remote network location.

Data Analysis: Celsis Advance II™ provides a powerful suite of tools to manage data archiving, results analysis, and reporting, including remote user capability. Local and remote users can quickly query results, design and generate graphs for easy data trending analysis, customize and print reports, and more.

Validation and Security: Advance II.im™ software has been fully validated on the Professional versions of Windows® 8, 7, and XP. The software allows users to be in full compliance with the requirements of the FDA's 21 CFR Part 11 and the EU's Annex 11. User access and data integrity are securely maintained by the system and a log file records user actions for the lifetime of the installation.

Security with One-Click Lockout: In addition to the option of securely locking data once the run begins, users have the ability to lock the application with a single mouse click in order to ensure that the run is not interrupted.

User Interface: The software utilizes a familiar top-ribbon/drop-down menu design for intuitive ease of use. Reagent levels are easily monitored with a color-coded graphic display that remains on-screen at all times, along with a work-load timer and temperature readout.

On-Screen Help: A comprehensive topic-based and searchable help file provides on-screen instructions for performing routine tasks, as well as detailed information about a range of topics from software customization to user administration.

Instrument Enhancements

While the Celsis Advance® luminometer has been an exceptionally rugged and reliable instrument, the new Celsis Advance II™ promises even better performance with upgrades to instrument efficiency in operation, flexibility, and robustness, including an active electronic thermoelectric cooler, improved temperature control and chain movement precision.

Upgrading from Advance®

The Celsis Advance II™, with its added functionality and even greater ease of use features, has been designed to run the same protocols and is calibrated to generate the same results as the previous Celsis Advance® system. There is no product revalidation required for sites upgrading from the older Advance® platform.

Celsis® Rapid Microbial Detection

Product Line	Product	Code
Celsis Advance II™	**Celsis Advance II™ system** Celsis® Advance II.im software USB-serial cable Power supply Cuvette rack Reagent rack	7456004
Celsis Advance II™ Service and Support	**On-site basic preventive maintenance only**	RD700B
	On-site standard	RD700S
	On-site premier	RD700P
AMPiScreen® Reagents	**AMPiScreen® 100 assay kit**	AS1210
	AMPiScreen® 400 assay kit	AS4210
	AMPiScreen® 800 assay kit	AS1310
LumiScreen™ Reagents	**LumiScreen™ 100 assay kit**	1230941
	LumiScreen™ 600 assay kit	1230839
Support Reagents and Consumables	**ATP positive control kit**	1291483
	Daily wash & rinse kit	1290142N
	Monthly maintenance and cleaning kit	92828

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