



MICROBIAL SOLUTIONS

Celsis Accel[®] Core Rapid Microbial Screening

Benefits of the Accel[®] Core System

- Shortened production cycles
- Reduced inventory requirements
- Decreased working capital requirements
- Faster release of product to market
- Small instrument footprint
- Simple to use and easy to learn
- Faster response to contamination events

Charles River is proud to announce the new Celsis Accel[®] Core, a rapid microbial screening system. The Accel[®] Core takes the robustness and ease of use of the widely adopted Celsis[®] Advance II[™] platform and packages it into a small footprint specifically designed for small and medium-size manufacturing facilities.

Utilizing our proprietary reagent technology, the system delivers quality control results in just 18-24 hours, enabling users to reduce micro hold times and quickly release their products to market. This eliminates days from the production cycle time, decreases inventory and working capital requirements, reduces warehousing costs, and improves overall profitability.

Quantifiable Savings

With our Financial Impact Assessment (FIA), Charles River can evaluate the cost savings of implementing a Celsis Accel[®] Core 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 five-year Net Present Value (NPV) of a company's investment in the Celsis[®] system. The five-year NPV for an average small to medium-size manufacturing facility is in excess of \$300,000, and most plants realize a return on investment in just six to nine months.

EVERY STEP OF THE WAY



Celsis Accel® Luminometer

- Voltage: 100-240 V
- Hertz: 50 or 60 Hz
- Capacity: Up to 30 assays per hour

Instrument Dimensions

- (w) 13" x (h) 14.5" x (d) 20.5"
- (w) 33 cm x (h) 37 cm x (d) 52 cm
- Weight: 53 lbs/24 kg

Compatibility

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

Celsis Accel® Core Specifications

User interface

AccelCore.im 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 workload timer.

Carousel architecture

The 30-position carousel is integrated into a light-sealed chamber accessible through a motor-actuated door, allowing easy access.

Ergonomic design

All user-accessible features are ergonomically positioned in front of the instrument for easy access.

Added security with one-click lockout

In addition to the option of 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.

Fourth injector capability

The Accel® Core system comes standard with three injectors but has the option of a fourth injector, giving the system additional flexibility to incorporate new reagent technology.

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.

Modular electronics

The use of modular electronics simplifies service, customization and upgrading.

Data export

AccelCore.im can export an individual batch or the entire workload to an array of file formats used by LIMS platforms.

User administration and security

Administration utility allows efficient management of user access and function permissions.

System log

An unlimited system log records events by each user and maintains records for the lifetime of the installation, in compliance with 21 CFR Part 11 and Annex 11 regulatory requirements.