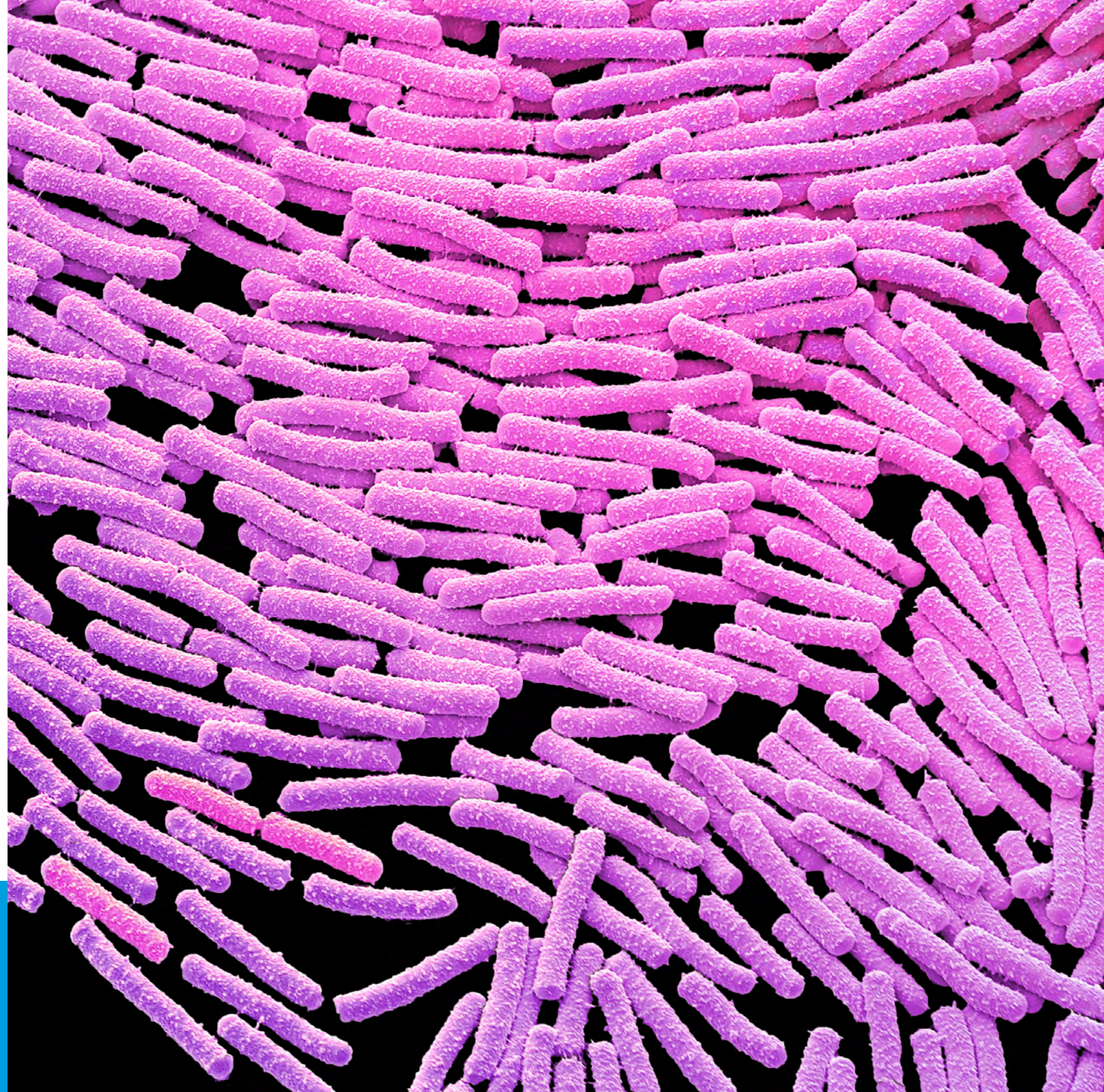


2025

EU Catalogue

Microbial Solutions



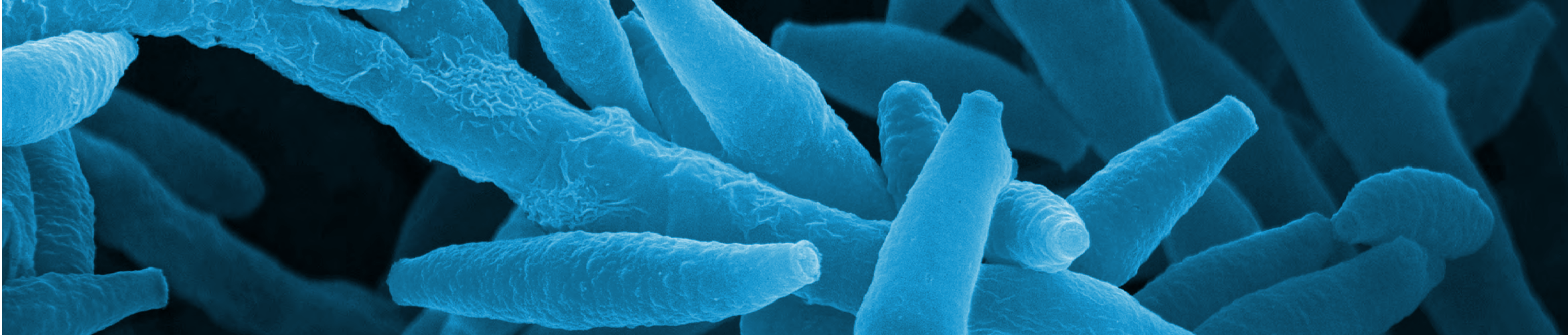


Microbial Solutions

Those who work in QC know that their job is more than a box to be checked, and that job can't be done effectively without confidence in the results they report. Tight timelines, regulatory demands, and stringent data integrity standards can make it hard to focus on what's really at stake in your QC process: the safety of your product and the lives of your patients.

Give your team and your patients the peace of mind they need. Choose microbial testing solutions that offer the efficiency, objectivity, and accuracy necessary to confidently deliver a safe therapeutic on time, every time.

Our Microbial Solutions portfolio of Endosafe® endotoxin testing, Celsis® rapid microbial detection, and Accugenix® microbial identification and strain typing products and services facilitate confident and objective decision making, ensuring the integrity of your microbial data and minimizing the risk to your patients. Like you, patient safety is at the core of what we do.



Contents

[How to Use This Price List](#)

- Click on any of the titles on the right to jump to that section.
- Use the "Find" function in your pdf reader to search for a specific product or product code.
- Visit www.criver.com/microbialsolutions to find more detailed information by using the search bar in the top right corner. You may search by product name or product code.
- Prices and product information subject to change without notice. For the most up to date information, contact your local Charles River representative.
- In 2025 Charles River Laboratories eliminated certain package configurations and made changes to reorder codes for certain LAL Reagent and Endotoxin Indicator products. For more information, refer to change notification CN #24-007. If you have questions about products impacted by this change, please contact Charles River Customer Service at microbialsolutionsCSDEU@crl.com, Technical Support at endosafe-support@crl.com or your local Charles River representative.

Endosafe®

[Endotoxin Testing](#)

Endosafe® nexgen-PTS™
Endosafe® nexgen-MCS™
Endosafe® Nexus 200™
Endosafe® Nexus™
Microplate Readers
Endosafe® Endotoxin Testing Software
Endosafe® LAL Cartridges
Endosafe® Trillium™
LAL Reagents
Bacterial Endotoxin Testing Standards, Buffers and Water
Bacterial Endotoxin Testing Accessories and Consumables
Contract Bacterial Endotoxin Testing Services

Celsis®

[Rapid Microbial Detection](#)

Celsis Advance II™
Celsis Accel®
Celsis Adapt™
Celsis® Implementation and Validation Support
Celsis® Reagents, Consumables and Accessories

Accugenix®

[Microbial Identification and Strain Typing](#)

Accugenix® Identification Services
Accugenix® NGS Identification Services
and Custom Libraries
Axcress® MALDI-TOF System

Endosafe® Endotoxin Testing

Scientifically Charged.

Advancements in technology and scientific research have unlocked new possibilities for creating sustainable alternatives to animal-derived products. We are dedicated to constantly identifying technologies that reduce or replace animal use while ensuring patient safety. Implementing either our LAL cartridge technology or Trillium™ rCR, you too can strengthen your commitment to sustainability while achieving reliable and precise endotoxin results.

Environmentally Conscious.





Endosafe® nexgen-PTS™

Product Line	Product	Code
Endosafe® nexgen-PTS™	Endosafe® nexgen-PTS™, WiFi-Enabled Ethernet cable One-year warranty Power supply USB cable adapter Stylus	PTS150K
Endosafe® nexgen-PTS™ Accessories*	Zebra ZQ320 WiFi-Enabled Printer	PTS360K
	Zebra ZQ620 and QLn320 Printer Paper (per roll)	PTS325
	Eppendorf® 25 µL Pipettor	PTS700
	Blank Cartridges (quantity 2)	PTS200
	Annual Calibration Certification at Charles River Laboratories	PTS900
Endosafe® nexgen-PTS™ Service and Support	Annual Calibration Certification: Rush	Expedite
	Annual Calibration Certification Service at Customer Site	PTS905
	Full Service Contract Including Annual Calibration Certification and Preventative Maintenance at Charles River Laboratories	PTS900FS
	Installation Including IQ/OQ/PQ at Customer Site	PTS902S
	IQ/OQ/PQ Kit	PTS902
	On-Demand Repair Services: Labor only (hourly rate)	PTS903
	Remote Installation Including IQ/OQ/PQ	PTS902RS

*For sale in Europe only. For specific country inquires, please contact Customer Service.

Endosafe® Endotoxin Testing

Endosafe® nexgen-PTS™

The Endosafe® nexgen-PTS™ is a rapid, point-of-sample handheld spectrophotometer that uses our flagship cartridge technology for accurate, convenient, real-time endotoxin testing and glucan concentration determination. The enhanced features address your needs for decreased assay run time, simplified data entry, reduced user variability, and heightened administration control. The User Management function enables 21 CFR Part 11 compliance. The nexgen-PTS™ is the system of choice for small volume, point-of-sample testing on the manufacturing floor.



Endosafe® nexgen-MCS™

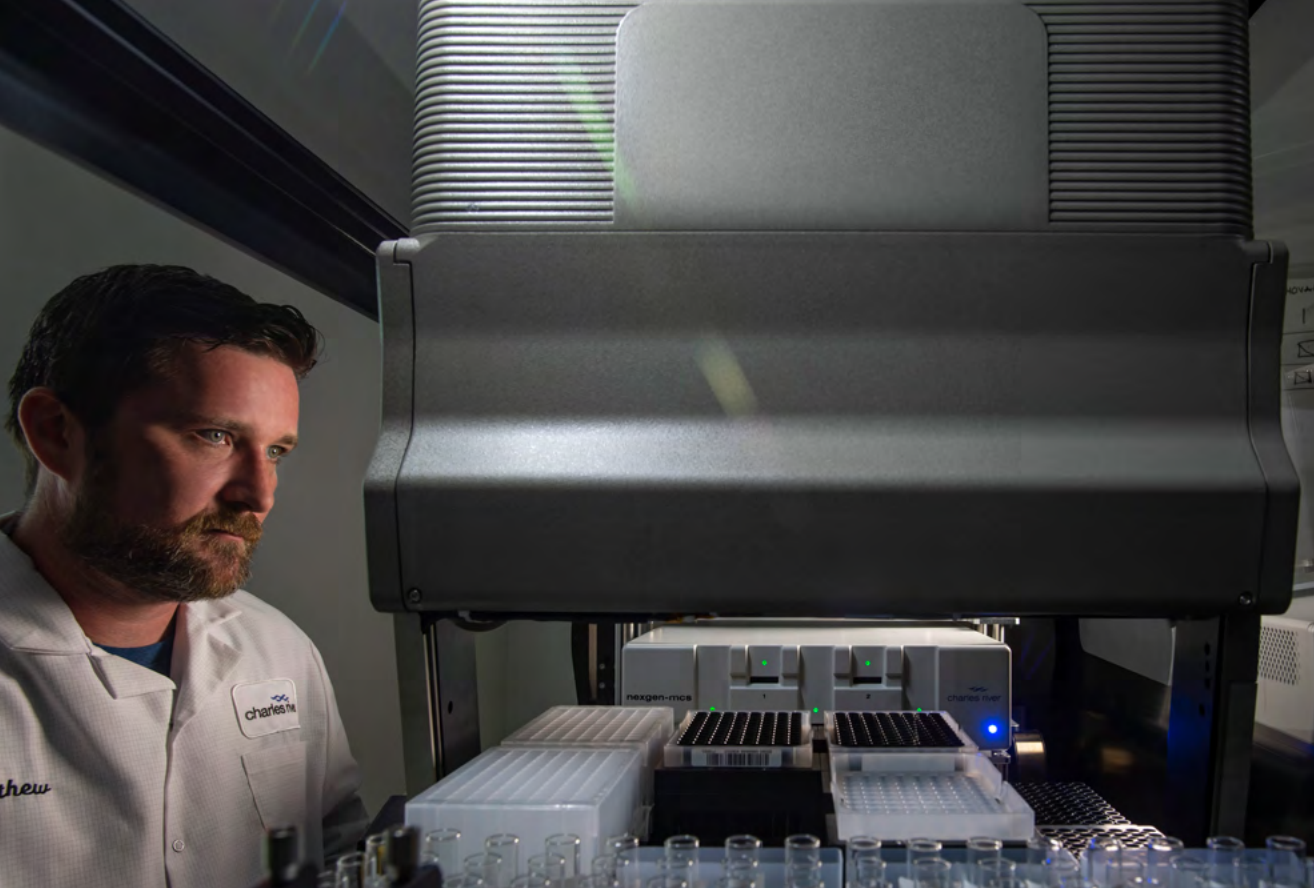
Product Line	Product	Code
	Endosafe® nexgen-MCS™ Instrument Power supply Ethernet cable One-year warranty	MCS150K
Endosafe® nexgen-MCS™	Endosafe® nexgen-MCS™ Package Endosafe® nexgen-MCS™ instrument EndoScan-V™ software Power supply Ethernet cable One-year warranty	MCS650K
Endosafe® nexgen-MCS™ Accessories	Blank Cartridges (quantity 2)	PTS200
	Installation Including IQ/OQ/PQ Service at Customer Site	MCS902
	IQ/OQ/PQ Kit	MCS902K
	Remote Installation Including IQ/OQ/PQ	MCS904RS
	On-Demand Repair Services: Labor only (hourly rate)	MCS903
Endosafe® nexgen-MCS™ Service and Support	Annual Qualification Service	MCS900
	Basic Service Contract with Annual Qualification at Customer Site	MCS905
	Full Service Contract with Annual Qualification at Customer Site	MCS905FS
	Annual Calibration Certification: Rush	EXPEDITE
	Remote Qualification	MCS900RS
	Remote Calibration and Qualification	MCS902RS
	IQ/OQ/PQ Kit	MCS502K
	On-Demand Repair Services: Labor only (hourly rate)	MCS503
	On-Demand Repair Services: Travel	Inquire
Endosafe®-MCS™ Service and Support	Annual Qualification Service	MCS500
	Basic Service Contract at Customer Site	MCS505
	Annual Calibration Certification: Rush	EXPEDITE
	Remote Qualification	MCS900RS
	Remote Calibration and Qualification	MCS902RS

For additional information regarding services for your Endosafe® -MCS™, refer to the [Endosafe®-MCS™ End-of-Life Policy](#) and notification #CN23-007.

Endosafe® Endotoxin Testing

Endosafe® nexgen-MCS™

For higher sample throughput needs utilizing cartridge technology, the Endosafe® nexgen-MCS™ features five individual spectrophotometers to test up to five samples at once, with results in just 15 minutes — for fast, quantitative, and accurate endotoxin results. Readings are sent via Ethernet to a connected desktop computer, where our 21 CFR Part 11 compliant-ready EndoScan-V™ software measures and reports endotoxin results.



Endosafe® Nexus 200™

Product Line	Product	Code
Endosafe® Nexus 200™	Nexus 200™ Robotic System Next generation Nexus™ platform nexgen-MCS™ instrument 3 cartridge dispensers 6 20-position racks Endoscan-V™ software Cabinet	MR750020K
Endosafe® Nexus 200™ Accessories	20-Position Labware Rack	MR7500R20
	Cartridge Dispenser	MR7500CD
	Monitor Mount Arm	MR884
Endosafe® Nexus 200™ Consumables*	Conductive CO-RE® II 300 µL Tips, Nested (pack of 1,920)	MR300N
	Reagent Containers (28 per case)	MR850
	Deep Well Plates (32 per case)	MR860
	Conductive CO-RE® II 1000 µL Tips (3,840 per case)	MR1001
	13 mm × 100 mm Borosilicate Glass Tubes, in Foil (pack of 50)	T300
	13 mm x 100 mm Polystyrene Capped Tubes (1,000 per case)	TF4000
Endosafe® Nexus 200™ Service and Support	Annual Maintenance and Qualification Service	MR2900
	Full Service Contract Including Annual Qualification	MR2900FS
	Installation Including IQ/OQ/PQ Service	MR2902
	IQ/OQ/PQ Service Kit	MR2902K
	On-Demand Repair Services: Labor only (hourly rate)	MR2903
	On-Demand Repair Services: Travel	Inquire
	Standard Service Contract Including Annual Qualification	MR2905
Software Validation Package	MR2600	

*Consumables have been validated specifically for use with the Nexus 200™ Robotic System.

Endosafe® Endotoxin Testing

Endosafe® Nexus 200™

The Endosafe® Nexus 200™ is a fully enclosed, data integrity compliant, walkaway robotic instrument, capable of testing up to 120 diluted and undiluted samples per run and performing complex and serial dilutions via Endosafe® cartridge technology. The system includes EndoScan-V™, an all-encompassing testing and monitoring software allowing for LIMS integration and improved traceability, security, and data management.



Endosafe® Nexus™

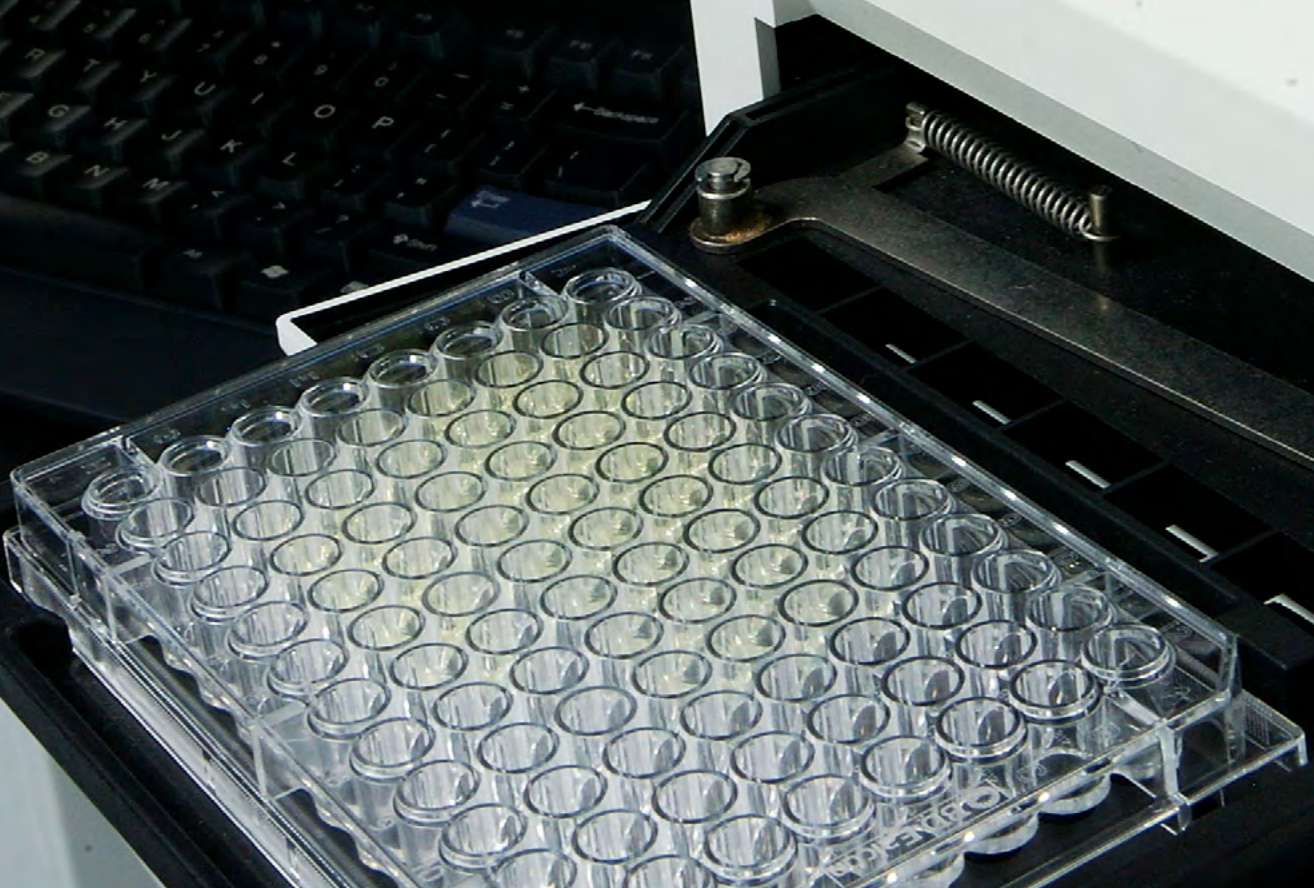
Product Line	Product	Code
Endosafe® Nexus™ Accessories	Cartridge Dispenser	MR200
	Tube Racks, 24-Position	MR2400
	Tube Racks, 32-Position	MR3200
	Anti-Static/Slip Mat	MR115
Endosafe® Nexus™ Consumables	Waste Bag (pack of 100)	MR802
	Sterilized Conductive 300 µL Tips (480 per pack)	MR300
	Sterilized Conductive CO-RE® 1,000 µL Tips (480 per pack)	MR1000
	Sterilized Conductive CO-RE® II 1,000 µL Tips (3,840 per case)	MR1001
	13 mm × 100 mm Borosilicate Glass Tubes, in Foil (pack of 50)	T300
	16 mm × 90 mm Screw-Cap Borosilicate Glass Tubes (pack of 70)	TL700
	Installation Including IQ/OQ/PQ Service and Qualification Service	MR902
	Annual Maintenance and Qualification Service	MR900
	Standard Service Contract Including Annual Qualification	MR905
	Full Service Contract Including Annual Qualification	MR900FS
Endosafe® Nexus™ Service and Support (nexgen-MCS™)	IQ/OQ/PQ Kit	MR502K
	On-Demand Repair Services: Labor only (hourly rate)	MR903
	On-Demand Repair Services: Travel	Inquire

Endosafe® Endotoxin Testing

Endosafe® Nexus™

Choose from accessories, consumables, spare parts, and services to support the Nexus™ automated robotic system.

From regular maintenance and annual calibration to on-demand service contracts, our dedicated professionals are a single point of contact for all of your Nexus™ service requirements. We also offer programs tailored to your specific needs.



Microplate Readers

Product Line	Product	Code
Endosafe® PRS 3	Endosafe® PRS 3 Instrument Power supply Ethernet cable One-year warranty USB Cable	M300
	Endosafe® PRS 3 Package Endosafe® PRS 3 Instrument EndoScan-V™ software Power supply Ethernet cable One-year warranty	M360K
Endosafe® PRS 3 Service and Support	Installation Including Qualification of PRS 3 with System Training, at Customer Site	PRS501
	Installation Including Qualification of PRS 3 with System and Application Training, at Customer Site	PRS502
	Remote Installation Support for New System – Remote Regions Only	PRS502RS
	Full Service Contract Including Two Maintenance/Qualifications + One Corrective Visit, at Customer Site	PRS505FS
	Basic Service Contract Including One Maintenance/Qualification + One Corrective Visit, at Customer Site	PRS505
	Preventative Maintenance and Qualification Service, at Customer Site	PRS500
	Plate Reader IQ/OQ/PQ LAL Kit	TS502K
	Remote Qualification Service	PRS500RS
	Plate Reader Calibration – Plate Recertification (valid for one year)	TS950
	Universal Test Plate for Plate Reader	M400
BioTek Kinetic Plate Readers Service and Support	BioTek Plate Reader Bulb	M700
	Plate Reader Calibration – Plate Recertification (valid for one year)	TS950
	Annual Qualification Service at Customer Site	TS500
	Remote Annual Qualification Service	TS503RS
	Annual Qualification Service with Bulb Replacement, at Customer Site	TS500BF
	Installation with IQ/OQ/PQ at Customer Site	TS502
	Plate Reader IQ/OQ/PQ LAL Kit	TS502K
	Service Contract	TS2700

Endosafe® Endotoxin Testing

Endosafe® PRS 3

The Endosafe® PRS 3 is a fully integrated plate reader within the Endosafe® bacterial endotoxin testing portfolio. Streamline testing with existing reagents from Charles River, including Endosafe® Kinetic Turbidimetric Assay (KTA), KTA², Kinetic Chromogenic Assay (KCA), and Trillium™ recombinant cascade reagent (rCR) for faster, more reliable quantitative endotoxin testing results.



Endotoxin Testing Software

Product Line	Product	Code
EndoScan-V™ Software	EndoScan-V™ Software	M1260
	EndoScan-V™ Client Manager	M1261
	EndoScan-V™ Software Validation Package	TS600
Charles River Cortex™	Charles River Cortex™ Software	M1600
	Charles River Cortex™ License/Device Authorization per Endosafe® nexgen-PTS™ (PTS150K) instrument	M1602
	Charles River Cortex License/Device Authorization per Endosafe® nexgen-MCS™ (MCS150K) instrument	M1604
	Charles River Cortex License/Device Authorization for Plate Reader/Tube Reader	M1605
Charles River Cortex™ Service and Support	Charles River Cortex™ IQ/OQ Service	AMC502S

Endosafe® Endotoxin Testing
Endotoxin Testing Software

Enabling accurate, intuitive data analysis, EndoScan-V™ performs endotoxin calculations and generates secure data files and batch reports for product release as required by the FDA. The software’s flexible networking configuration works with Microsoft Excel™, your LIMS, or with centralized databases. EndoScan-V™ is also fully compatible with our Cortex™ software, which provides an integrated solution to securely consolidate, query, and analyze all real-time endotoxin test data for necessary internal QA and FDA trending reports. This allows generated data to automatically transfer and provides complete QA/QC instrument oversight. The EndoScan-V™ user interface is available in English, French, and German, and includes comprehensive online documentation and IQ/OQ/PQ guidelines.



Endosafe® LAL Cartridges

Product Line	Product	Standard Curve Range	Code
Endosafe® LAL Cartridges	10 Single Packs of Cartridges (FDA-licensed)	10–0.1 EU/mL	PTS201F
		5–0.05 EU/mL	PTS2005F
		1–0.01 EU/mL	PTS2001F
	Multi-Packs of 25 Cartridges (5 per pouch) (FDA-licensed)	5–0.05 EU/mL	PTS5505F
		1–0.01 EU/mL	PTS5501F
		0.5–0.005 EU/mL	PTS2000F
	10 Single Packs of Inhibition/ Enhancement Screening Cartridges		PTS220
Endosafe® Glucan Assay Cartridges	Beta-Glucan Cartridges (pack of 10) (not licensed by the FDA)		RMMGS1000
Endosafe® Blank Cartridges	Blank Cartridges (quantity 2) (not licensed by the FDA)		PTS200

Lot-specific Certificate of Analysis, where applicable, can be found on the [Microbial Solutions Customer Portal](#).

Endosafe® Endotoxin Testing

Endosafe® LAL Cartridges

The Endosafe® compendial LAL cartridge technology is our innovative response to our customers’ need for higher sensitivity and faster quantitative results with the kinetic chromogenic method. Designed to optimize and refine our use of FDA-licensed LAL technology, the cartridges use 95% less of the raw material and accessories required for a traditional test, while reducing time-consuming preparation and technician variability. For nexgen-MCS™ users, we offer convenient, economical cartridge multi-packs. Please note that cartridges must be used within 2 hours of breaking the pouch seal.



Endosafe® Trillium™

Product Line	Product	Standard Curve Range	Code
Endosafe® Trillium™ rCR Cartridges	Pack of 10 Single Cartridges	1-0.01 EU/mL	RCRC3001
	Pack of 10 Single Cartridges	5-0.05 EU/mL	RCRC3005
Endosafe® Trillium™ rCR Vial	Pack of 6 (1.7 mL Vials) 32 tests per vial		RCRV3032PK
	Interference Screen for One Batch, rCR Cartridge Service		TSRCR3500
	Product Specificity (Method Suitability) for One Batch, rCR Cartridge Service		TSRCR3601
	Product Specificity (Method Suitability) for Three Batches, rCR Cartridge Service		TSRCR3603
	Interference Screen for One Batch, rCR Vial Service		TSRCR3300
	Product Specificity (Method Suitability) for One Batch, rCR Vial Service		TSRCR3401
	Product Specificity (Method Suitability) for Three Batches, rCR Vial Service		TSRCR3403

Endosafe® Endotoxin Testing
Endosafe® Trillium™

Recombinant Cascade Reagent (rCR) Products
 and Validation Services

Built on sound science and quality standards, Trillium™ detects and quantifies natural environmental endotoxins by simulating the LAL enzymatic cascade through an optimized formulation and composition of three critical recombinant proteins. This proprietary matrix demonstrates assay superiority in accuracy, comparability, and robustness compared to other recombinant endotoxin detection technologies and our primary validation data supports the claim of equivalency to LAL.



LAL Reagents

Product Line	Product	Sensitivity (EU/mL)	Format	Code	
Kinetic Chromogenic LAL (KCA)	Endochrome-K™ (256-test kit) 8 × 3.2 mL vials 2 × 10 ng control standard endotoxin 3 × 30 mL LAL reagent water			R1708K	
	Endochrome-K™ Vial 3.2 mL vials		Pack of 10	R17100PK	
			Box of 100	R17100BX	
Kinetic Turbidimetric LAL (KTA)	KTA ² 50-test Vial (5.2 mL) (used for kinetic testing only)		Pack of 6	R19000PK	
	KTA 50-test Vial (5.2 mL) Used for kinetic or Gel-Clot assays	0.015	Pack of 6	R15015PK	
		0.03	Pack of 6	R15003PK	
		0.06	Pack of 6	R15006PK	
	Endosafe® Gel-Clot LAL	Gel-Clot LAL 50-test Vial (5.2 mL)	0.015	Pack of 6	R15015PK
			0.03	Pack of 6	R15003PK
			0.06	Pack of 6	R15006PK
Gel-Clot LAL 10-test Vial (1.2 mL)		0.125	Pack of 6	R11012PK	
		0.25	Pack of 6	R11025PK	
		0.03	Pack of 6	R12003PK	
		0.06	Pack of 6	R12006PK	
	0.125	Pack of 6	R12012PK		
	0.25	Pack of 6	R12025PK		

Lot-specific Certificate of Analysis, where applicable, is available for LAL reagents via the [Microbial Solutions Customer Portal](#). Reserves of LAL reagents and matching Control Standard Endotoxin (CSE) are offered for a period of one year.

Endosafe® Endotoxin Testing

LAL Reagents

Our team has developed and optimized a range of quantitative and qualitative LAL formulations that provide increased sensitivity, greater linearity, and superior interference resistance.

The Endosafe® LAL reagents are FDA-licensed for product release, and all of our accessory products are certified for the appropriate LAL testing requirements. These deliver extreme precision and reliability, minimizing invalid results and the need to retest.



Bacterial Endotoxin Testing Standards, Buffers and Water

Product Line	Product	Format	Code
Control Standard Endotoxin (CSE) <i>E. coli</i>	CSE – 500 ng per Vial	Each	E110
	CSE – 10 ng per Vial	Each	E120
Reference Standard Endotoxin (RSE)	RSE USP – 10,000 EU per Vial	Each	E150
	RSE Ph.Eur. – 10,000 IU per Vial	Each	E160
	10,000 EU	Case of 12	EVV10K
	100,000 EU	Case of 12	EVV100K
Endotoxin Indicators*	1 Million EU	Each	EVV1M
	2.5 Million EU	Each	EVV2.5M
	10 Million EU	Each	EVV10M
Buffers for Bacterial Endotoxin Testing	5 mL 0.25 M Tris Buffer	Pack of 6	BT101
	30 mL 0.1 M Tris Buffer	Case of 12	BT103
	5.5 mL 0.1 M Tris Buffer	Pack of 6	BT105
	30 mL 0.05 M Tris Buffer	Case of 12	BT106
	4 mL 0.5 M MgSO ₄ , 1 M Tris Buffer	Pack of 6	BC1000
	Beta-Glucan Blocker	Pack of 6	BG600
	30 mL Bio-Dispersing Agent	Case of 12	BD100
	Water for Bacterial Endotoxin Testing	30 mL Bottle (<0,001 EU/mL)	Case of 12
50 mL Bottle (<0,001 EU/mL)		Case of 12	W120
100 mL Bottle (<0,001 EU/mL)		Case of 12	W110
500 mL Bottle (<0,001 EU/mL)		Pack of 6	W150

Lot-specific Certificate of Analysis, where applicable, is available for LAL reagents via the [Microbial Solutions Customer Portal](#).

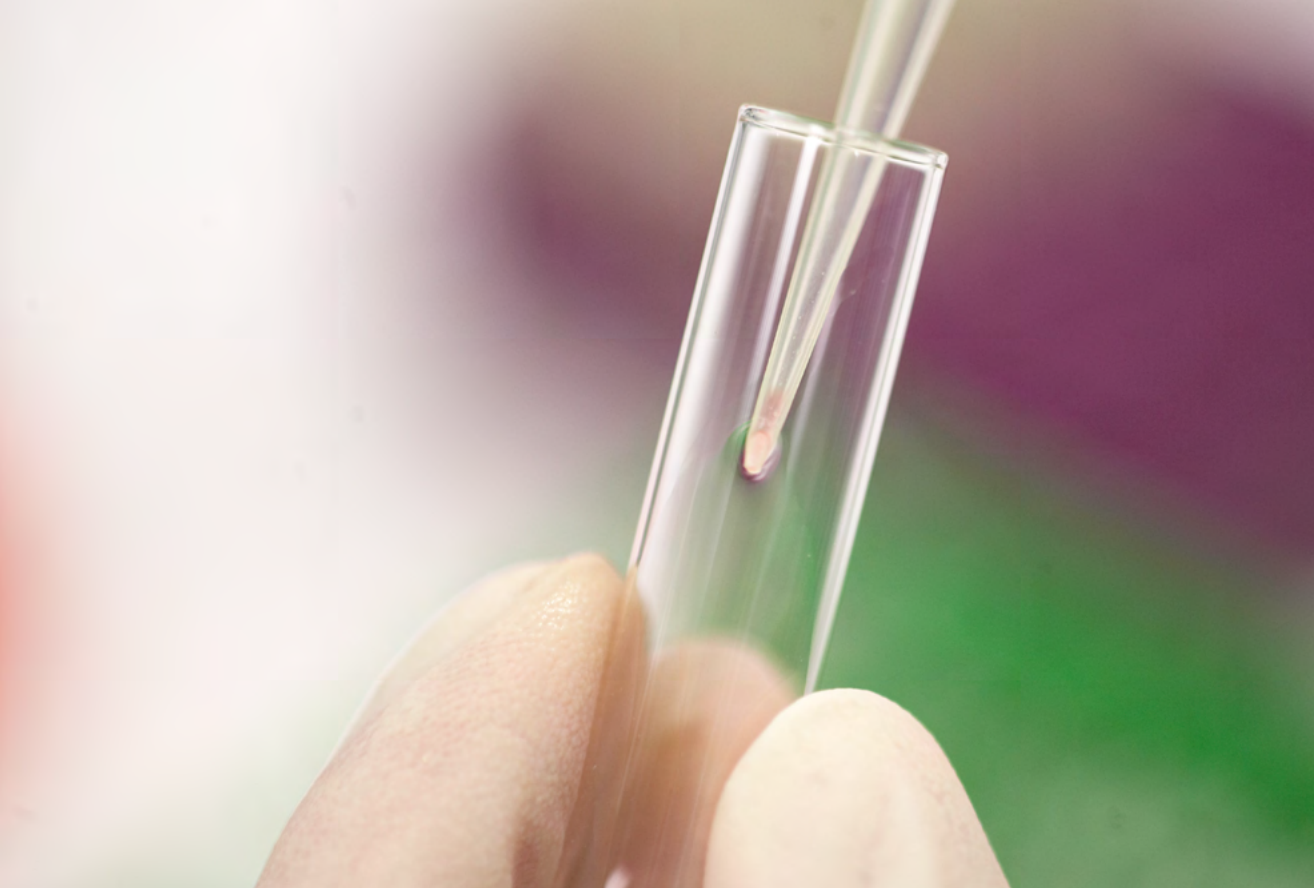
Reserves of LAL reagents and matching Control Standard Endotoxin (CSE) are offered for a period of one year.

Please contact Technical Support before using buffers.

*For dry heat oven validations.

Endosafe® Endotoxin Testing

Bacterial Endotoxin Testing Standards, Buffers and Water



Bacterial Endotoxin Testing Accessories and Consumables

Product Line	Product	Format	Code
Tubes	10 mm × 75 mm Flint Glass Tubes, in Foil	Pack of 50	T200
	13 mm × 100 mm Borosilicate Glass Tubes, in Foil	Pack of 50	T300
	10 mm × 75 mm Borosilicate Glass Tubes, in Foil	Pack of 50	T400
	18 mm × 150 mm Borosilicate Glass Tubes, in Foil	Pack of 14	T600
	16 mm × 90 mm Screw-Cap Borosilicate Glass Tubes	Pack of 70	TL700
	16 mm × 160 mm Screw-Cap Borosilicate Glass Tubes	Pack of 100	TL800
	12 mm × 75 mm Borosilicate Glass Tubes, in Foil	Pack of 50	TL1000
	10 mm × 75 mm Screw-Cap Borosilicate Glass Tubes	Pack of 50	TL1200
	17 mm × 100 mm 14 mL Falcon® Polystyrene Snap-Capped Tubes	Pack of 25	TF3000
	13 mm x 100 mm Falcon® Polystyrene Screw-Capped Tubes	Case of 1,000	TF4000
Depyrogenated Glass Graduated Pipettes	1 mL, in Foil	Box of 50	P100
	2 mL, in Foil	Box of 50	P200
	5 mL, in Foil	Box of 50	P500
	10 mL, in Foil	Box of 50	P1000
Eppendorf® Pipette Tips	2-200 µL, Individually Wrapped	Pack of 100	D200
96-Well Endosafe® Plates	96-Well Polystyrene Plate, Tissue Culture Treated (certified to 0,005 EU/mL)	Case of 50	M9005

Endosafe® Endotoxin Testing

Bacterial Endotoxin Testing Accessories and Consumables

Our team has carefully sourced a range of accessories designed to enhance endotoxin testing. Choose from glass tubes, glass pipettes, pipette tips, and plates.

These accessories are crucial in aiding the most critical endotoxin testing processes and have been tested to strict quality standards. Depyrogenated glass pipettes are especially key in preventing the introduction of unwanted endotoxin into the process, ensuring accurate results.



Contract Bacterial Endotoxin Testing Services

Product Line	Product	Code
Routine Endotoxin Determination	Non-Regulated, Any Method Kinetic chromogenic (cartridge technology) Kinetic chromogenic Kinetic turbidimetric	TS700
	Routine Endotoxin Determination, Any Method: Rush	TS700R
Gel-Clot Technique [†]	Product Validation, Three Lots	TS850
	Product Validation, One Lot	TS860
	Product Release or Stability Test [†]	TS880
Kinetic Chromogenic Technique [†]	Product Validation, Three Lots	TS1100
	Product Validation, One Lot	TS1200
	Product Release or Stability Test [†]	TS1300
Kinetic Turbidimetric Technique [†]	Product Validation, Three Lots	TS1400
	Product Validation, One Lot	TS1500
	Product Release or Stability Test [†]	TS1600
Kinetic Chromogenic Technique – Rapid Micro-Method [†]	Product Validation, Three Lots	TS3500
	Product Validation, One Lot	TS3600
	Product Release or Stability Test [†]	TS3700
Sample Preparation	Sample Preparation, Extraction or Heat	TS700E
	Sample Preparation, Extraction or Heat: Rush	TS700ER
Depyrogenation Services	Validation/Testing of Challenge Vials [†]	TS1700
	Device Contamination [†]	TS1900
	Depyrogenation Validation	TS1800
Additional Services	Special Certificate of Analysis (COA) Testing	TCOA1
	On-Site Training ^{**} (per day)	TS400
	SOP and Protocol Writing (per hour)	TS800

For information regarding the Proficiency Test Program, email ptp.support@crl.com

*Product Validation must be completed prior to finished product release or stability testing.

**Travel expenses additional.



[†] Indicates Cert #4123.02 is for our laboratory in Ecully, France.

Endosafe® Endotoxin Testing

Contract Bacterial Endotoxin Testing Services

Our technical services laboratory streamlines your testing operations for a smooth process to final product release.

Our experienced technical specialists can help you improve the compliance and efficiency of your endotoxin testing program. Our FDA-registered laboratories offer a variety of GMP testing and support services to help you achieve control, consistency, and precision in your testing environment.



Celsis® Rapid Microbial Detection

Not all rapid methods are created equally.

The Celsis® rapid microbial detection method delivers quality control results in just in 6 days for rapid sterility and less than 48 hours for microbial limits, allowing your QC microbiology group to quickly confirm the presence or absence of microbial contamination faster than traditional methods using an automated, reagent-based assay. With an industry-leading sample compatibility portfolio, Celsis® rapid microbial detection has been used to test everything from vaccines, over-the-counter products, and cell and gene therapies. Whether testing at critical production process steps, screening incoming raw materials and water, or for final product release testing, Celsis® rapid microbial detection systems can be a great fit for your manufacturing process.

Rapid results. Easy to use.



Celsis Advance II™

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	C7456004
	Injector P Upgrade for Celsis Advance II™	RD700U1
Celsis® Reagents	Celsis AMPiScreen® Pharma 100 Assay Kit	CAS1220
	Celsis AMPiScreen® Pharma 400 Assay Kit	RST400
	Celsis AMPiScreen® AP 400 Assay Kit	AP4310
Celsis® Support Reagents	ATP Positive Control Kit	C1291483
	Daily Wash and Rinse Kit	C1290142N
	Monthly Maintenance and Cleaning Kit	C92828
Celsis® Software	Celsis® Advance II.im Software	C7404005
	Basic Preventative Maintenance Service	RD700B
Celsis Advance II™ Service and Support	Standard Service Contract Including 1 Preventative Maintenance Visit and 1 Corrective Visit	RD700S
	Premier Service Contract Including 2 Preventative Maintenance Visits and 3 Corrective Visits	RD700P
Additional Celsis® Instrument Service and Support	Training and Installation/Qualification (3 days)	TS0003
	Training and Installation/Qualification (1 day)	TS0001
	On-Demand Repair Services: Labor Only (hourly rate)	TSLABOR
	On-Demand Repair Services: Travel	Inquire

*Does not include installation and training. Please contact your local Charles River representative for a Celsis® system quotation that meets your needs.

Celsis® Rapid Microbial Detection

Celsis Advance II™

Feel confident in the safety of your products while getting them to patients faster with Celsis® rapid microbial detection.

The Celsis Advance II™ is a rapid microbiological method for large-scale therapy manufacturing. Its ATP bioluminescence technology offers industry-leading sample and test compatibility, including membrane filtration and direct inoculation. It replaces traditional tests with an automated assay, reducing incubation time by over 50%. Capable of analyzing 120 cuvettes per hour, it combines multiple batches into a single run, offering secured logins, lock-out functionality, LIMS compatibility, and comprehensive data analysis. Compatible with Celsis® reagents and Adapt™, it's ideal for labs testing multiple batches daily.



Celsis® Rapid Microbial Detection

Celsis Accel®

Feel confident in the safety of your products while getting them to patients faster with Celsis® rapid microbial detection.

The Celsis Accel® brings robustness and ease of use to small and mid-sized sterile and non-sterile product manufacturers. This compact, bench-top instrument is capable of analyzing 30 cuvettes per hour with the option of simultaneously combining multiple batches or protocols into a single run, making it perfect for quality control labs with low daily testing volumes. Despite its smaller footprints and lower throughput, the Celsis Accel® provides the same sample and test method compatibility and same reagents as the widely adopted Celsis Advance II™ platform. It is also compatible with Celsis® reagents and Celsis Adapt™ for use with cell-containing samples such as in-process cell culture or ATMPs. Perfect for labs looking for a compact, efficient system for quality control that doesn't compromise on performance, the Celsis Accel® is the perfect solution.

Celsis Accel®

Product Line	Product	Code
Celsis Accel®	Celsis Accel® System* Celsis® Accel.im software USB-serial cable Power supply Cuvette rack Reagent drip tray	C7460288
	Injector P Upgrade for Celsis Accel®	RD500U1
Celsis® Reagents	Celsis AMPiScreen® Pharma 100 Assay Kit	CAS1220
	Celsis AMPiScreen® Pharma 400 Assay Kit	RST400
	Celsis AMPiScreen® AP 400 Assay Kit	AP4310
Celsis® Support Reagents	ATP Positive Control Kit	C1291483
	Daily Wash and Rinse Kit	C1290142N
	Monthly Maintenance and Cleaning Kit	C92828
Celsis® Software	Celsis® Accel.im Software	C7404010
	Basic Preventative Maintenance Service	RD500B
Celsis Accel® Service and Support	Standard Service Contract Including 1 Preventative Maintenance Visit and 1 Corrective Visit	RD500S
	Premier Service Contract Including 2 Preventative Maintenance Visits and 3 Corrective Visits	RD500P
Additional Celsis® Instrument Service and Support	Training and Installation/Qualification (3 days)	TS0003
	Training and Installation/Qualification (1 day)	TS0001
	On-Demand Repair Services: Labor Only (hourly rate)	TSLABOR
	On-Demand Repair Services: Travel	Inquire

*Does not include installation and training. Please contact your local Charles River representative for a Celsis® system quotation that meets your needs.



Celsis® Rapid Microbial Detection

Celsis Adapt™

Concentrate the efficiency of your rapid microbial methods.

The Celsis Adapt™ Concentrator is the perfect companion to accelerate the efficiency of the Celsis® rapid microbiological detection platform. This accessory system is designed to remove non-microbial sample components, such as cellular debris and preservatives found in cell and gene therapies, ATMPs, and cell culture samples. Compatible with both the Celsis Accel® and Celsis Advance II™ instruments, the Celsis Adapt™ offers an innovative solution to further maximize the potential of Celsis® ATP-bioluminescence for faster, accurate results for samples that challenge other rapid methods. With the Celsis Adapt™, you can conveniently prepare and concentrate samples containing interfering components with its user-friendly design.

Celsis Adapt™

Product Line	Product	Code
Celsis Adapt™	Celsis Adapt™ Sample Concentrator* On-board firmware Power Supply with Type B, C, and G Regional Adapters Washing Solution Adapter Tubing Line and Clip	AD9000
Celsis® Reagents	Celsis Adapt™ Cell 100 Assay Kit	AD1420
Celsis Adapt™ Service and Support	Depot Basic Preventive Maintenance Only	RD400D
	Basic Preventative Maintenance Service Must be combined with a Celsis Advance II™ or Celsis Accel® service visit	RD400B
	Standard Service Contract Including 1 Preventative Maintenance Visit and 1 Corrective Visit	RD400S
	Premier Service Contract Including 2 Preventative Maintenance Visits and 3 Corrective Visits	RD400P
Additional Celsis® Instrument Service and Support	Training and Installation/Qualification (3 days)	TS0003
	Training and Installation/Qualification (1 day)	TS0001
	On-Demand Repair Services: Labor Only (hourly rate)	TSLABOR
	On-Demand Repair Services: Travel	Inquire

*Does not include installation and training. Please contact your local Charles River representative for a Celsis® system quotation that meets your needs.



Celsis® Implementation and Validation Support

Product Line	Product	Code
Celsis® Implementation and Validation Support	Sample Effects Testing for Sterile Products	VAL2500PH
	Spiking Study Testing for Sterile Products	VAL2400PH
	Sample Effects Testing for Non-Sterile Products	VAL3500PH
	Spiking Study Testing for Non-Sterile Products	VAL3400PH
	Celsis® Complete, Sterility Service and Reports, Membrane Filtration	VAL6000MF
	Celsis® Advantage, Sterility Protocols and Reports, Membrane Filtration	VAL6100MF
	Celsis® Complete, Non-Sterile Service and Reports	VAL3000PH
	Celsis® Advantage, Non-Sterile Protocols and Reports	VAL3100PH
	Celsis® Complete for Celsis Adapt™	VAL9000AD
	Celsis® Advantage for Celsis Adapt™	VAL9100AD
Additional Celsis® Instrument Service and Support	Training and Installation/Qualification (3 days)	TS0003
	Training and Installation/Qualification (1 day)	TS0001
	On-Demand Repair Services: Labor Only (hourly rate)	TSLABOR
	On-Demand Repair Services: Travel	Inquire

Celsis® Rapid Microbial Detection

Implementation and Validation Support

Take the burden out of method validation and let us do the work for you with Celsis® comprehensive validation packages.

Celsis® Implementation and Validation Support are the perfect tools for organizations looking to reduce the time traditionally needed to validate a rapid microbiological method for routine use. With Feasibility Testing Services, users can secure long-term implementation success and leverage an industry-leading sample compatibility with confident Sample Effects and Spiking Study testing studies. Our Celsis® Complete and Celsis® Advantage bundles are comprised of validation reports, documentation, and outsourced validation testing or ready-to-use validation testing protocols to ensure an efficient and successful implementation process.



Celsis® Rapid Microbial Detection

Reagents, Consumables, and Accessories

Feel confident in the safety of your products while getting them to patients faster with Celsis® rapid microbial detection.

Our Celsis AMPiScreen® reagents deliver fast and accurate detection of ultra-low levels of microbiological contamination up to 50% faster than traditional methods. We also offer Celsis® AMPiScreen AP reagents to reduce high background in test samples allowing for greater precision in detecting microbial contamination in personal care, cosmetic, home care and over the counter products. We have also partnered with other industry-leading suppliers to provide rapid sterility test consumables pre-qualified for use with Celsis® rapid microbial detection instruments, guaranteeing consistent, accurate, and robust testing for the long term.

Celsis® Reagents, Consumables, and Accessories

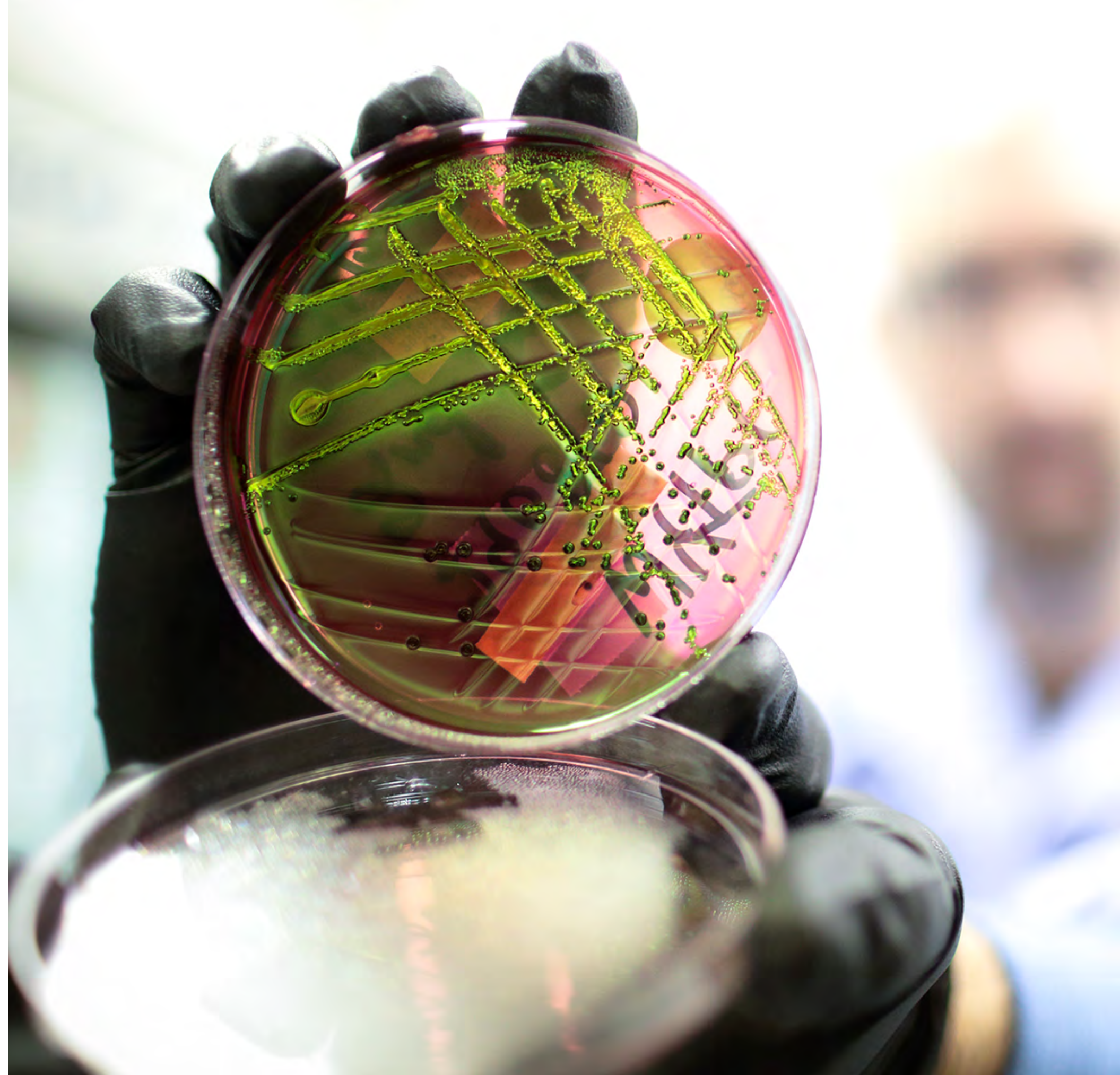
Product Line	Product	Format	Code
Celsis® Reagents	Celsis AMPiScreen® Pharma 100 Assay Kit		CAS1220
	Celsis AMPiScreen® Pharma 400 Assay Kit		RST400
	Celsis Adapt™ Cell 100 Assay Kit		AD1420
	Celsis AMPiScreen AP 400 Assay Kit		AP4310
Celsis® Support Reagents	ATP Positive Control Kit		C1291483
	Daily Wash and Rinse Kit		C1290142N
	Monthly Maintenance and Cleaning Kit		C92828
Celsis® Qualified Filtration Systems and Media	Sterisart® NF for Celsis® 4 cm Dual-Needle with Septum (for closed, septum-topped sample containers)	10 packages per case, 2 disposables per package	16466GSD
	Sterisart® NF for Celsis® 5.2 cm Dual-Needle with Septum (for openable top sample containers such as ampoules, bottles, or bags)	10 packages per case, 2 disposables per package	16467GSD
	Celsis® Qualified Hardy Diagnostics Tryptic Soy Broth, USP, 100 mL Septum Top Glass Vial	Pack of 20	CM1010
	Celsis® Qualified Hardy Diagnostics Fluid Thioglycollate Medium, USP 100 mL Septum Top Glass Vial	Pack of 20	CM1015
	Celsis® Qualified Tryptic Soy Broth for Celsis Adapt™, USP 100 mL Septum Top Polycarbonate Vial	Pack of 16	CM1020
	Celsis® Priming Cuvettes, 75 mm (1,000)		C1280052
Celsis® Consumables and Accessories	Celsis® Assay Cuvettes, 55 mm (1,000)		C1280139
	Celsis® Assay Cuvettes, Sterile, Capped (400)		C1280400
	150 mL Containers (120 ct)		C1280300
	Pipette 20 – 200 µL		C91184
	Pipette 100 – 1000 µL		C91192
	Pipette 5 – 50 µL		C91200
	Cuvette Rack, 80 Cuvettes		C92080
	ATP-free Pipette Tips, 200 µL (10 × 96 pcs)		C93678
	ATP-free Pipette Tips, 1,000 µL (10 × 100 pcs)		C93686
	Glass Beads, 0.5 mm		CAS9001
	Antifoam-B Emulsion		CAS9003
	Linear Shaker, 115V		CAS128001K
Linear Shaker, 230V		CAS128002K	

Accugenix® Microbial Identification

More than a simple identification.

Without confidence in your environmental monitoring (EM) data and microbiological testing, you cannot be certain that your products are free from unwanted microorganisms. Our Accugenix® microbial identification and strain typing services offer unparalleled accuracy that you can rely on. Encompassing over 9,000 relevant bacterial and 4,500 fungal species, our Accugenix® microbial identification databases are continually updated based on frequently occurring organisms in facilities around the world.

Make confident operational decisions by understanding your microorganisms.





Accugenix® Identification Services

Product Line	Product	Turnaround Time	Code	
AccuGENX-ID®	AccuGENX-ID® Bacteria (16S 500bp) DNA Sequencing of the 16S rRNA Gene in Bacteria	Same-day	BACSEQ-0	
		1-day	BACSEQ-1	
		2-day	BACSEQ-2	
		5-day	BACSEQ-5	
	AccuGENX-ID® Fungi (ITS2) DNA Sequencing of the ITS2 rRNA Region in Fungi	Same-day	FunITS-0	
		1-day	FunITS-1	
		2-day	FunITS-2	
	AccuGENX-ID® ProSeq Protein-coding gene sequencing to speciate closely related organisms	1-day	PROSEQ-1	
		5-day	PROSEQ-5	
	Specialized Sequencing Reports Alignments, comparisons, and/or phylogenetic trees for customer-specified samples	2-day	CompSeq-2	
AccuPRO-ID®	AccuPRO-ID® MALDI-TOF Microbial Identification Service for Bacteria and Yeast	Same-day	AccuPRO-ID-0	
		1-day	AccuPRO-ID-1	
		2-day	AccuPRO-ID-2	
		5-day	AccuPRO-ID-5	
AccuBLAST®	AccuPRO-ID® MALDI-TOF Microbial Identification for Filamentous Fungi	5-day	AccuFUN-ID-5	
		AccuBLAST® Analysis of 16s Raw Data Sequence Files Sequence data analysis and identification report generation from .ab1 data files	Same-day	AccuBLAST-0
			1-day	AccuBLAST-1
AccuGENX-ST®	AccuGENX-ST® Sequence-Based Strain Typing	2-day	AccuBLAST-2	
		5-day	AccuGENX-ST-5	
	AccuGENX-XGST® Multi-Locus Sequence-Based Strain Typing 7 gene MLST with sequence type and alleles	5-day	AccuGENX-XGST-5	
	MLST (Multi-Locus Sequence Typing) Assay Development Fee	Inquire	SP-STF-01-10	

Accugenix® Microbial Identification

Identification Services

Pinpointing microorganisms in your sample has never been more accurate with Accugenix® microbial identification services.

Accugenix® microbial identification and strain typing products and services optimize your environmental monitoring program by providing accurate, rapid, and cost-effective solutions that are compliant with global regulatory standards. Sequence-based strain typing methods help QC manufacturers track microbial strains that may be associated with contamination or for strain characterization. Sample identification data is stored on the regulatory-compliant and secure Customer Web Portal that includes complementary tracking and trending features. The Accugenix® Customer Web Portal meets the requirements of 21 CFR Part 11 and complies with GAMP5 standards for validation of automated systems. Our increasing network of laboratories expedite service times around the globe, with labs located in the United States, Brazil, France, Germany, Ireland, India, South Korea, Singapore, and Australia.



Accugenix® NGS Identification Services and Custom Libraries

Product Line	Product	Turnaround Time	Code
Accugenix® TAS	NGS-Based Bacterial Identification by Targeted Amplicon Sequencing. 16S	20-day	NGS-TAS-16S-20
	NGS-Based Fungal Identification by Targeted Amplicon Sequencing. ITS2	20-day	NGS-TAS-ITS-20
	NGS-Based Fungal Identification of Fall-Through Samples by Targeted Amplicon Sequencing. ITS2	20-day	NGS-TAS-ITS-FT-20
	NGS-Based Bacterial Identification of Fall-Through Samples by Targeted Amplicon Sequencing. 16S	20-day	NGS-TAS-16S-FT-20
Accugenix® WGS	NGS-Based Inferred Strain Typing by Whole Genome Sequencing for Bacterial Samples	20-day	NGS-WGS-ST-BAC-20
	NGS-Based Inferred Strain Typing by Whole Genome Sequencing for Fungal Samples	20-day	NGS-WGS-ST-FUN-20
Accugenix® PLS	Plasmid NGS-Based Whole Genome Sequencing no DNA Extraction	10-day	NGS-PLSMD-NOEXT-10
		20-day	NGS-PLSMD-NOEXT-20
	Plasmid NGS-Based Whole Genome Sequencing includes DNA extraction	10-day	NGS-PLSMD-10
20-day		NGS-PLSMD-20	
NGS-Related Services	Custom Bioinformatics for Accugenix®. NGS. Hourly Rate	Inquire	NGS-BIOINF-20
Custom Libraries	Development of Customer-Specific Library	Inquire	SP-CLB-01-10

Accugenix® NGS services are currently not GMP. Please contact your local sales representative for more information.

Accugenix® Microbial Identification
Next-Generation Sequencing Identification Services and Custom Libraries

Traditional sequencing methods can be limited in what they can offer if samples are not pure or if they cannot be cultured, if they fail to generate usable data, or if the target DNA is large (multiple kilobases or genome-sized) making the traditional methods complex, expensive, and time consuming.

Accugenix® Next Generation Sequencing (NGS) for bacterial and fungal identification enables high throughput, scalability, and novel applications.



Accugenix® Microbial Identification

Environmental Monitoring Performance Qualification Services

Enabling speed, data management, and regulatory compliance with Accugenix®

Accugenix's EMPQ Services start with identification, using the latest MALDI-TOF mass spectrometry and microbial sequencing technologies to identify bacteria, yeasts, and molds with unparalleled precision. Each sample undergoes a rigorous identification process, providing you with a clear and accurate understanding of your cleanroom's microbial profile.

This data is then relayed into our Accugenix EMPQ Report, serving as a critical tool to affirm the efficacy of environmental monitoring validation strategies. Moreover, the reports comprehensive data analysis supports informed decision-making, ensuring that contamination control measures are both effective and compliant with regulatory standards.



Access® MALDI-TOF System

Product Line	Product	Code
Access® MALDI-TOF System	Access® Sirius One MALDI Biotyper Package Starter kit for MALDI-TOF MS Barcode scanner for MALDI Biotyper Reference physiocare pack (tips and pipettes) Software package MALDI Biotyper Compass HT Compliance Assistance Module	AXC750
	Access® Sirius MALDI Biotyper Package The Sirius package includes all the features and accessories of the Access® Sirius One MALDI Biotyper package, with the added benefit of both positive and negative ion mode for microbial identifications and future applications.	AXC850
Access® MALDI Biotyper-CM Reagents and Accessories	Bacterial Test Standard (BTS)	AXC115
	Matrix HCCA	AXC155
	MSP Adapter for MALDI Biotarget	AXC4800AD
	MALDI Biotarget 96 Disposable Target Plate (pack of 20)	AXC9600D
Required with Purchase	Conidia IDFP Fungi Agar Plates (pack of 20)	AXC320
	Access® Start up Package (year 1) The Access® Start up Package is available with the initial Access® instrument purchase. It includes the Bruker IQ/OQ/PQ, Charles River SQ/MV, and Access® authorization and licensing fee for one year. Required with Access® MALDI-TOF System purchase.	AXC8000
Access® Service and Support*	Annual Licensing Fee For Access® Renewals (year 2 and beyond)	AXC2002
	Annual OQ-PV with Service Agreement	AXC400B
	Annual OQ-PV without Service Agreement	AXC404B
	Access® System Target Cleaning Method Validation	AXC501
	Software Qualification/Methods Validation	AXC502
	Warranty Plus (additional instrument coverage during first year)	AXC700
	Complete CARE Contract	AXC900
	Complete CARE Contract Priority	AXC1000
	Complete CARE Contract Priority Plus	AXC1100
	On-Site Training (per day)	TS200

*Contact your local Charles River representative to review service package availability and coverage.

Accugenix® Microbial Identification

Access® MALDI-TOF System

For in-house microbial identification needs, combine our accurate and vast Accugenix® microbial library with the Access® MALDI-TOF systems.

The Access® Microbial Identification System features the precision of the Bruker MALDI Biotyper instrument with the industry-leading Accugenix® proprietary microbial libraries through a secure online network. The MALDI-TOF system for microbiology testing is the optimal solution for in-house microbial identification needs. The MALDI-TOF identification system instrument combined with validated microbial databases provides all the tools needed for accurate and fast organism identifications.

Microbial Solutions

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To obtain product literature or technical documentation,
please visit our website: www.criver.com/microbialsolutions

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