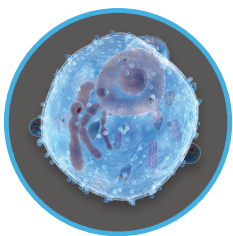
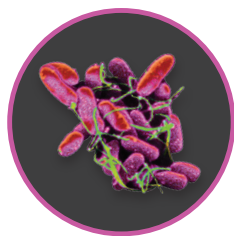


Unrivaled Life Sciences

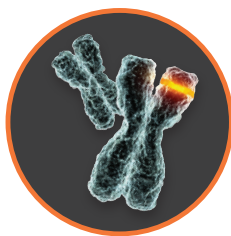
Turning ideas into innovations requires the very best. We're your one exclusive source for the world's greatest life sciences brands and innovative products.



CELL CULTURE
AND ANALYSIS



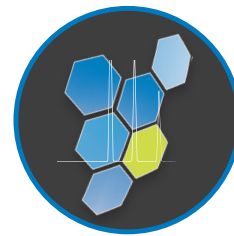
MICROBIOLOGY



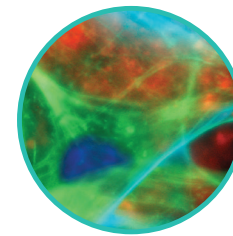
MOLECULAR
BIOLOGY



PROTEIN
BIOLOGY



CHROMATOGRAPHY



ANTIBODIES

Your **LIFE SCIENCES** partner: The Best Products From One Source

Fisher Scientific is committed to working with you to lower costs and increase efficiency, so you have the freedom to focus on research. Our goal is your success. We can provide any and all of the resources, products and programs to ensure that success.

When you choose Fisher Scientific, you are selecting a partner with more than a century of experience and a forward-looking suite of products and services to support your Life Sciences research.



LIFE SCIENCES Brands:

applied
biosystems



BioTek

CORNING

eurofins
mwg|operon

F
Fisher BioReagents™



gibco®

invitrogen



MILLIPORE
SIGMA



NOVUS
a biotechne brand



R&D SYSTEMS
a biotechne brand

sartorius

thermo scientific

UVP
ULTRA-VIOLET PRODUCTS

fishersci.com/lifescience or fishersci.ca/lifescience

Unrivaled Cell Culture

The propagation of cells *in vitro* is crucial to a number of Life Sciences disciplines. Cell culture is a process that requires a combination of precise techniques and the highest-quality products. Recent advances in cell line-specific media, cell-counting systems and personal fluorescent microscopes have helped streamline the culturing process without compromising performance.

Fisher Scientific provides the highest-quality cell culture equipment, instruments, consumables and reagents, as well as a choice of storage and preservation options that ensure consistent, dependable results. Explore our cell culture solutions.

Product Offering

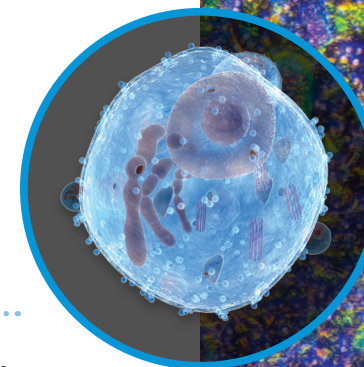
- Antibiotics and Selection Agents
- Automated Cell Counters
- Balanced Salt Solutions and Buffered Salines
- Buffers, Cell Culture Grade Water and Water for Injection (WFI)
- Cell Culture Inserts
- Cell Dissociation Reagents
- Cell Lines
- Classical, Specialty and Custom Media
- Compound, Inverted, and Stereo Microscopes
- Cultureware Vessels and Chambers
- Cryogenic Vials
- Cryopreservation Media
- Growth Factors
- Extracellular Matrices and Attachment Factors
- Fetal Bovine Serum, FBS Alternatives, Other Animal Sera, and Serum Replacements
- Inverted and Fluorescence Microscopes
- Large-scale Production Supplies
- Media Supplements
- Microplate Readers and Washers
- Mycoplasma Detection
- Nutritional Supplements
- Reagents for Protein Expression and Production
- Single-Use Technologies and Bulk Media and Reagents for Bioproduction
- Stains and Dyes
- Stem Cell Research Products
- Treated Microplates

Valued Suppliers

- **BioTek**
- Corning
- **Fisher BioReagents**
- GE Healthcare
- **Gibco**
- **Laxco**
- **Lonza***
- **MilliporeSigma**
- **MP Biomedicals**
- **Sartorius**
- Thermo Scientific
- **Wheaton**

Bold: Fisher Scientific is the exclusive national distributor for all or part of the product lines.

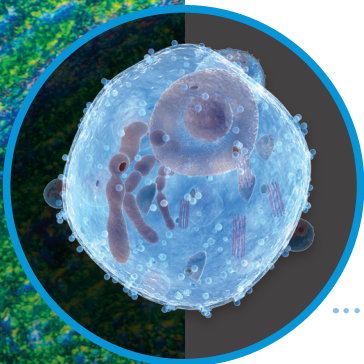
***Denotes U.S.-only supplier.**



Unrivaled Cell Analysis

Whether it is performed for drug discovery or disease-related research, cell analysis includes a variety of qualitative and quantitative techniques to study the complex function of cell-to-cell and cell-to-substrate interactions. We understand the need for a highly productive environment for the study of cell structure, behavior and reactions.

From cell viability and proliferation to visualization, Fisher Scientific supplies you with best-in-class high-quality antibodies, reagents, consumables, instruments, and equipment. Explore our cell analysis solutions.



Product Offering

- Antibodies
- Apoptosis Reagents
- Biomolecules
- Bioreactors
- Cell-Based Assays and Arrays
- Cell Proliferation/Viability Assays
- Cell Signaling/Neuroscience Reagents
- Compound, Inverted, and Stereo Microscopes
- Cytokines, Chemokines and Growth Factors
- Cytotoxicity Assays
- Electroporation Systems and Consumables
- ELISA Kits
- Enzymes
- Flow Cytometry Reagents
- Fluorophores
- Imaging Reagents
- Inverted and Fluorescent Microscopes
- Microplate Readers
- Microplate Washers
- Model Organisms
- Particle Technologies
- Recombinant and Natural Proteins
- Signal Transduction Products
- Transformation and Transfection Reagents and Kits

Valued Suppliers

- Abnova
- **BD Biosciences***
- Beckman Coulter
- **BioTek**
- BTX: A Harvard Bioscience Company
- **Fisher BioReagents**
- GE Healthcare
- **Invitrogen**
- **Laxco**
- MilliporeSigma
- Mirus Bio LLC*
- MP Biomedicals
- **R&D Systems**
- **Sartorius**
- Thermo Scientific

***Bold:** Fisher Scientific is the exclusive national distributor for all or part of the product lines.*

****Denotes U.S.-only supplier.***

Unrivaled Antibodies/Immunology

Fisher Scientific provides you with a single source for immunoassays, cytometric bead arrays, and primary and secondary antibodies for various applications, from flow cytometry to cell signaling.

With more than 200,000 antibodies and an advanced online search tool, we are a market leader with premier brands in the industry that promote high-quality, validated antibodies. Explore our antibodies portfolio.

Product Offering

- Antibody Characterization
- Antibody Fragmentation
- Antibody Production
- Antibody Purification and Precipitation
- Blotting Equipment
- Buffers
- Calibration Beads
- Cell Strainers
- Cytometric Bead Arrays
- Dyes and Stains
- ELISAs
- Flow Cytometry Reagents
- Fluorescent Calibration Products
- Fluorescent Microscopes
- IHC Equipment
- IHC Reagents
- Imaging Reagents
- Immunoassays
- Membranes
- Multiplex Assays
- Primary Antibodies
- Secondary Antibodies
- Substrates
- Western Blotting Kits

Valued Suppliers

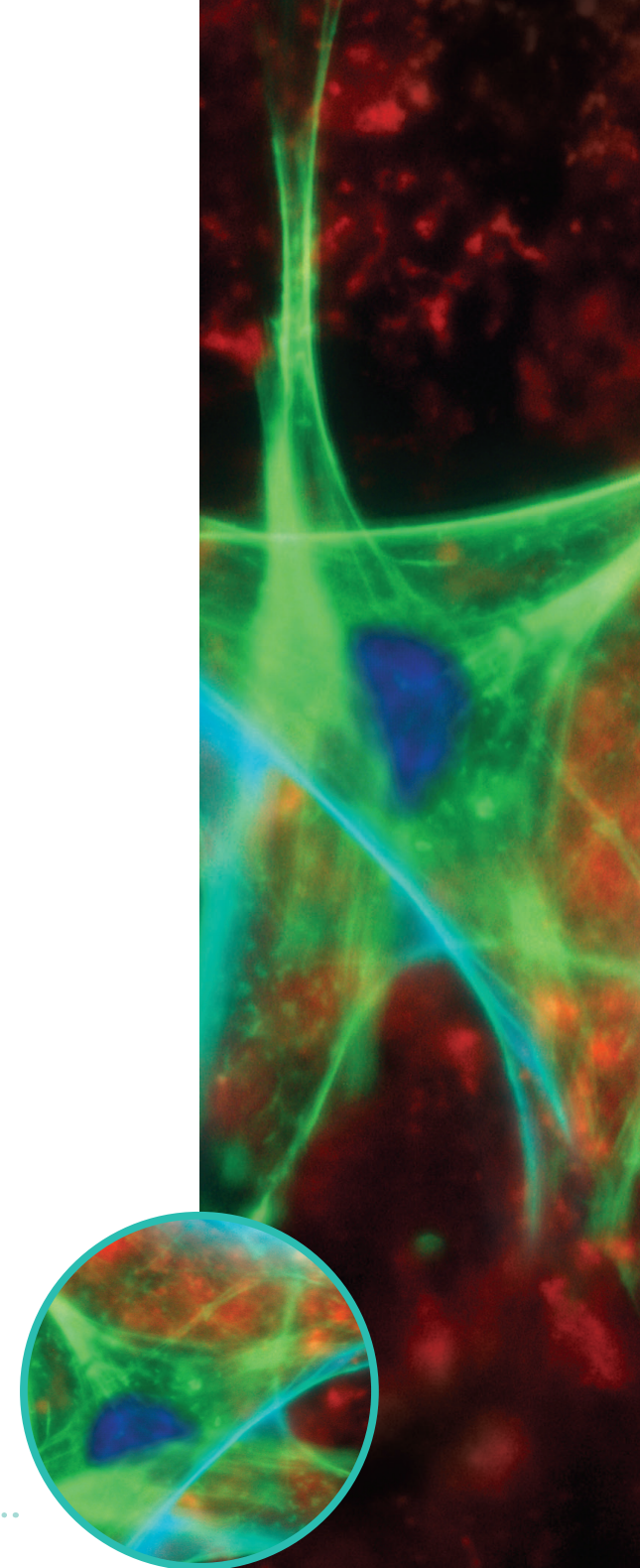
- Abnova
- **BD Biosciences***
- **Beckman Coulter**
- **BioTek**
- **Fisher BioReagents**
- GE Healthcare
- **Invitrogen**
- MP Biomedicals
- Novus Biologicals
- Promega Corporation
- R&D Systems
- Southern Biotech
- Thermo Scientific

Bold: Fisher Scientific is the exclusive national distributor for all or part of the product lines.

***Denotes U.S.-only supplier.**

Antibodies Advanced Search
your pathway  to discovery _____

fishersci.com/antibodies or fishersci.ca/antibodies





Unrivaled Microbiology

Microbiology plays an important role not only in the identification of causative agents in infectious disease, but also in the bioprocessing of drugs and antibiotics. Today, genomic technologies, microorganism detection procedures and antibiotic development continue to drive research in this area. Fisher Scientific teams with industry leaders to bring you all the supplies and instrumentation you need for basic and rapid microbiology research.

Our product offering is extensive; we offer a full line of industrial supplies for use in food testing, environmental screening, biopharmaceutical production and process validation. Explore our microbiology solutions.

Product Offering

- Air Sampling Systems
- Antisera Sets
- Atmosphere Generation Systems
- ATP Hygiene Monitoring
- Autoclaves/Sterilizers
- Blenders & Blender Bags
- Bottles and Vials
- Colony Counters & Readers
- Compound, Inverted, & Stereo Microscopes
- Culture Media: Dehydrated & Prepared
- Dehydrated Culture Media
- Dilution Bottles
- Disinfectants
- Immunological Tests
- Inoculating Supplies
- Media Additives, Supplements & Reagents
- Membranes & Filters
- Microbiological Incubators
- Microscopes & Slides
- Molecular Detection System
- Peptones/Hydrolysates
- Petri Dishes
- Plate Pourers/Stackers
- Plated Culture Media
- QA/QC Organisms
- Rapid Pathogen Test Kits
- Sample Dilution
- Sanitation & Cleaning Supplies
- Specimen Collection
- Spiral Platers
- Stains, Dyes & Indicators
- Susceptibility Discs

Valued Suppliers

- BD Diagnostics
- Boekel
- Corning Life Sciences
- **Decon Labs**
- **Fisher BioReagents**
- **Fisherbrand**
- Hygiena
- **Invitrogen**
- LabPlas
- Laxco
- Microbiologics, Inc.*
- **MilliporeSigma**
- **Neutec Group, Inc.**
- Puritan Medical Products
- Reichert
- Ricca Chemical
- Seward Laboratory Systems, Inc.
- **Thermo Scientific**

***Bold:** Fisher Scientific is the exclusive national distributor for all or part of the product lines.*

**Denotes U.S.-only supplier.*

Unrivaled Molecular Biology

The molecular biology workflow is essentially a 'discovery to validation' journey and Fisher Scientific brings a wide variety of solutions to enable your research.

Fisher Scientific's product portfolio includes market-leading reagents for PCR and qPCR as well as purification kits and instrumentation that optimize purity and maintain the integrity of virtually any sample type. Explore our molecular biology solutions.

Product Offering

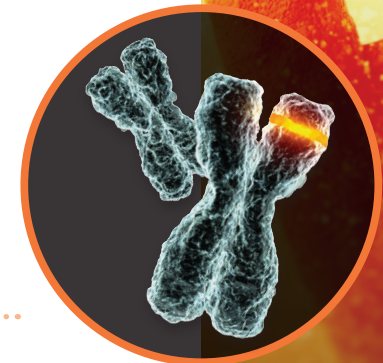
- Custom Oligos
- CyDyes
- DNA Analysis and Genotyping Kits
- DNA Synthesis and Sequencing Services
- Gene Cloning and Expression Products
- Hybridization Products
- in vitro Transcription Reagents
- Modifying/Restriction Enzymes
- Mutagenesis Systems
- Northern/Southern Blots
- Nucleic Acid Electrophoresis
- Nucleic Acid Purification Kits
- Nucleotides
- PCR, qPCR Reagents and Consumables
- Photodocumentation Systems
- RNA Interference, including microRNA, siRNA, shRNA
- RT-PCR Reagents and Kits
- Thermal Cyclers (Real-time, Standard)
- Transfection Reagents
- Vectors

Valued Suppliers

- **Applied Biosystems**
- Cole Parmer
- Corning Life Sciences
- Digilab Inc
- Eppendorf
- **Eurofins MWG Operon**
- **Fisher BioReagents**
- **FOTODYNE, Inc.**
- GE Healthcare
- Genlantis
- **Hoefer: a Harvard Bioscience Company**
- **Invitrogen**
- Lonza
- **MilliporeSigma**
- **Mirus Bio LLC***
- MP Biomedicals
- Promega Corporation
- Thermo Scientific
- UVP, LLC.

Bold: Fisher Scientific is the exclusive national distributor for all or part of the product lines.

*Denotes U.S.-only supplier.





Unrivaled Protein Biology

Protein biology is a complex field of study that uses novel technologies to understand protein expression, structure, interaction and function. Fisher Scientific can help you facilitate your protein research with sophisticated proteomics tools — from protein purification to separation, detection, expression and quantitation.

Fisher Scientific provides unique, high-quality and innovative reagents across your protein workflow. Explore our protein biology solutions.

Product Offering

- Biomolecules
- Crosslinking Reagents
- Dialysis Products
- Enzymes
- Immunoassays
- In vitro Translation Kits
- Mass Spectrometry Products
- Membranes
- Multiplex Assays
- Photodocumentation Systems
- Microplate Readers
- Precast Gels
- Protein Concentrators
- Protein Chemistry Products
- Protein Electrophoresis Reagents
- Protein Expression Products
- Protein Labeling and Detection Kits
- Protein Purification Products
- Protein Quantification Reagents
- Recombinant Proteins and Peptides
- Sample Prep Reagents
- Spectrophotometers
- Western Blotting Kits and Reagents

Valued Suppliers

- Abnova
- **BioTek**
- Carestream Health
- Expedeon
- **Fisher BioReagents**
- **FOTODYNE Inc.**
- GE Healthcare
- **Hofer: a Harvard Bioscience Company**
- **Invitrogen**
- Lonza*
- **MilliporeSigma**
- MP Biomedicals
- Promega Corporation
- **R&D Systems**
- Southern Biotech*
- Spectrum Laboratories
- Thermo Scientific
- UVP, LLC

Bold: Fisher Scientific is the exclusive national distributor for all or part of the product lines.

*Denotes U.S.-only supplier.



Unrivaled Chromatography

Chromatography is a powerful analytical tool commonly used in the purification of biological materials, including proteins, nucleic acids, carbohydrates, fats and vitamins.

Chromatography is also used to enable applications as diverse as pharmaceutical drug discovery and development, protein biology and molecular biology.

Fisher Scientific carries one of the most comprehensive portfolios in the industry across HPLC, GC and IC Chromatography consumables. Explore your world of chromatography.

Product Offering

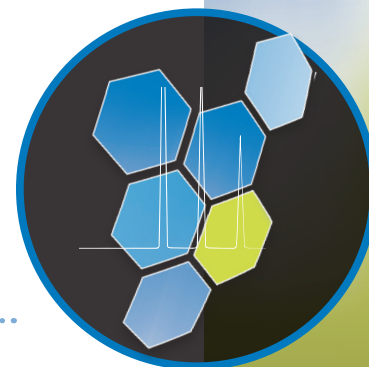
- Autosampler Vials and Inserts
- Chromatography Standards
- Flash Chromatography Accessories and Cartridges
- Gas Generators
- Gas Regulators
- GC Columns and Accessories
- HPLC Columns and Accessories
- Injection Port Valves
- Low-Pressure Fittings and Accessories, Columns, Packing and Sorbents
- Membranes and Membrane Filters
- SPE Columns, Manifolds and Accessories, Cartridges and Plates
- Specialty-Grade Solvents
- Syringes — Autosampler and Manual
- Tubing and Fittings
- TLC Plates

Valued Suppliers

- 3M
- Acros Organics
- Air-Tite Products Co., Inc.
- Domnick Hunter
- **Fisher Chemical**
- GE Healthcare
- Hamilton Company
- Idex Health & Science
- Kimble Chase
- **MilliporeSigma**
- Restek Corporation
- Ricca Chemical
- SGE Analytical Science
- SPEX CertiPrep
- Thermo Scientific
- Wheaton

Bold: Fisher Scientific is the exclusive national distributor for all or part of the product lines.

**Denotes U.S.-only supplier.*



Customized Solutions

For Life Sciences Research

U.S. only

Custom Products and Services

At Fisher Scientific, we understand that your research requirements extend beyond our catalogs and warehouse shelves. This is why we offer a variety of made-to-order products and services for applications including molecular biology, protein biology and cell analysis. Save valuable time with our affordable, custom-product configurators, and our gene sequencing and antibody search services.

DNA Sequencing

In concert with our valued partners, Fisher Scientific offers a multitude of DNA sequencing services:

- Eurofins MWG|Operon — Order and run DNA sequencing reactions with SimpleSeq DNA sequencing kits from fishersci.com. The 96 bar-coded tubes ensure you are set to pipette — right out of the box. Activate your kit at operon.com/fishersci for fast, reliable and secure results for PCR products, plasmid inserts and BACs.

Gene Editing and RNAi Reagents Configurators

Access the most complete, technologically advanced portfolio of gene editing and RNAi reagents and libraries with just a click — at fishersci.com. Order Invitrogen pre-designed and custom CRISPR Cas-9 gene editing, siRNA, and miRNA reagents and libraries. To order and/or design these time-saving molecular biology products, please visit our homepage and select the button: RNAi, Oligos, Assays, Gene Editing and Gene Synthesis Tools.

Custom Oligos and Gene Synthesis

Ready, set, go — with time-saving, built-to-order oligos. Our website (fishersci.com) offers unprecedented access to the complete Eurofins MWG Operon and Invitrogen portfolio of quality oligonucleotides. Click once on our homepage and you'll find a wide range of affordable, modified/unmodified oligos, orderable in a variety of concentrations, formats and purities. With exceptionally low mutation rates, these oligos are good to go — for PCR, microarrays, genotyping, ligation, gene probes and sequencing. Look for the RNAi, Oligos, Assays, Gene Editing and Gene Synthesis Tools button on fishersci.com

Antibodies Advanced Search

Fast and easy-to-use, Fisher Scientific's powerful Advanced Search quickly sorts through your criteria to find the research-specific antibody you need. Our portfolio is massive — 200,000 antibodies supporting oncology, signal transduction, flow cytometry research, etc. — yet, so accessible. Search by antigen, gene symbol or accession number, clone name, and catalog or vendor number. Select antibody type, classification, reactivity, application, label, host, format and/or research discipline for further refinement. Retrieve product information, obtain technical support and order antibodies — all in one visit to fisherantibodies.com.

Specialized Chemical Services (SCS)

Whether you are engaged in initial research or scaling up to full production, inevitably you will need a product not readily available in a chemical catalog. Save time and resources by turning to the company you can trust.

We provide the best and most cost-effective solutions available on the market, allowing you to concentrate on your core activities, without having to worry about legal, environmental and operational issues.

Semi-bulk and Bulk Chemical Service

Through our extensive supply-chain network, we can secure and manage the supply of semi-bulk and bulk volume products using either internal manufacturing or select partners worldwide.

Tailored Solvents and Solvent Blends

Our experience in manufacturing, processing and testing high-purity solvents enables customization of solvents to your specifications.

Special Solutions

Special aqueous or non-aqueous solutions can be expertly manufactured to your exact requirements.

Testing Services

Our extensive in-house laboratory, QC capabilities and utilization of accredited external partners allows us to respond quickly to specific quality control testing at your request.

Customized Packaging and Labeling

Our products are available in a wide variety of innovative packaging options designed for safety, environmental protection, convenient handling and storage and preservation of product integrity, while complying with all relevant regulations. Custom packaging is also available for chemicals supplied by you.

Luminex Configurator

The world leader in the development of single analyte immunoassays provides one complete solution for profiling your complex samples. Start Designing Now With The Simplest Online Ordering Tool: fishersci.com/rndsystems



Fisher Scientific

Your Total Solutions Provider



New Lab Start-Up

- Apply for access to money-saving offers on lab essentials, including equipment, consumables and supplies
- Includes a convenient checklist to guide you through the process
- Easy online sign up at fishersci.com/newlab or fishersci.ca/newlab

ThermoFisher SCIENTIFIC

The world leader in serving science

Thermo Fisher Financial Services

Thermo Fisher Financial Services supports emerging companies and new labs via flexible financing options for laboratory equipment and consumables. Our team of experts will custom-craft a comprehensive and competitive financial program to meet your unique requirements to help you grow your business.



Total Procurement Solutions (Encompass) (U.S. only)

- Fisher Scientific can source all of your lab supplies, equipment and consumables
- Our web-based, third-party procurement capability enables sourcing from 3,500 additional, non-channel suppliers
- Online procurement via fishersci.com facilitates ordering and provides access to more than 800,000 products
- Fisher Scientific can significantly reduce procurement time and cost via third-party sourcing and savings-rich program development

Unity Lab Services

Unity Lab Services (U.S. only)

Our services incorporate more than 100 years of experience in scientific customer support. We offer complete solution design and implementation for seamless laboratory support, featuring:

- A broad, robust service offering including Consulting, Instrument Services, Asset Management, Supply Management and Scientific Support Services — delivered from a singular source to reduce process complexity and cost
- Flexible and scalable solutions uniquely tailored to help you maximize productivity
- A complementary partnership that perfectly pairs our expertise with yours



Technical Resources at Your Fingertips fishersci.com/lifescience or fishersci.ca/lifescience

Online product information for thousands of Life Sciences products

Browse and search for products by application or specialty

Find the products you need for Protein Biology, Molecular Biology, Cell Culture and Analysis and thousands of antibodies to choose from

Supplier List

To view a list of our leading Life Sciences suppliers, click on the Brands link

Promotions

See current promotions on a wide variety of products

Visit often — new promotions are added frequently

New Products

Look for the latest product additions to our Life Sciences portfolio

Technical Library

Find the latest in Tech Notes, product literature and catalogs for Life Sciences

Subscribe to *Lab Reporter*, our quarterly publication highlighting the latest Life Sciences products, chemicals, consumables and equipment

World-Class Support Let us take care of you so you can focus on science.

Our commitment to your success goes beyond the scope of products and procurement. Fisher Scientific is the company that helps science — and you — succeed. Look to us for industry and application knowledge, reliable customer and technical support, and e-commerce capabilities.

Global Team of Dedicated Professionals

Fisher Scientific's dedicated team of over 4,000 sales and customer support professionals understands your business. Some have worked in academic, government, biopharma or industrial research facilities; others have training and expertise in supply chain management, business processes or product applications.

- Technical Sales Representatives – Our expanded team of Life Sciences experts stay current with the newest products and latest technologies so they can offer you effective and efficient application-based solutions

Expertise:

- 75% of team with advanced degrees
- Average 8 years bench experience
- Average 6 years sales experience

Offering you:

- End-to-end product solutions
- Technical, consultative sales force
- Hosted technical seminars
- Vendor workflow shows
- Knowledge on latest technologies

- Sales Representatives – Our sales force is structured to provide maximum support to our customers through our Account Management Program
- Customer Service Representatives – Answer product and ordering questions
- Safety Specialists – Our Safety Specialists can assist in the proper selection and use of Occupational Health and Safety products
- Chemical Specialists – Our Chemical Specialists have extensive backgrounds in chemistry to provide informative solutions and expertise across a broad range of applications

© 2016 Thermo Fisher Scientific Inc. All rights reserved.

Trademarks used are owned as indicated at www.fishersci.com/trademarks.

In the United States:

For customer service, call 1-800-766-7000

To fax an order, use 1-800-926-1166

To order online: fishersci.com

16-45443 LW 11/16 BN1011161

In Canada:

For customer service, call 1-800-234-7437

To fax an order, use 1-800-463-2996

To order online: fishersci.ca



A Thermo Fisher Scientific Brand