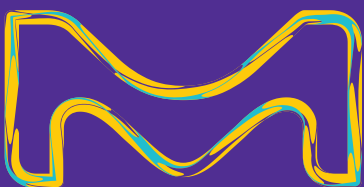


MERCK

Let's provide trust. Together.

SECURE YOUR PHARMA QC

More information here
SigmaAldrich.com/pharmaQC



The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.

Millipore®

Preparation, Separation,
Filtration & Monitoring Products

Sigma-Aldrich®

Lab & Production Materials

Supelco®

Analytical Products

Milli-Q®

Lab Water Solutions

Merck has brought together the world's leading Life Science brands, so whatever your life science problem, you can benefit from our expert products and services.

Millipore®

The Millipore® portfolio of Merck offers an ecosystem of industry-leading products and services, spanning preparation, separation, filtration and monitoring – all of which are deeply rooted in quality, reliability and timetested processes. Our proven products, regulatory and application expertise are a strong foundation you can rely on to consistently perform at the highest level.

Millipore® products

Supelco®

The Supelco® portfolio of analytical solutions of Merck is developed by analytical chemists for analytical chemists to ensure your results are accurate, precise and reproducible. Every product is meticulously quality-controlled to maintain the integrity of your testing protocols and, with our dedicated scientists, the expertise you need is always on hand.

Supelco® products

Milli-Q®

The Milli-Q® portfolio of lab water solutions of Merck takes care of all your water quality and purity needs. Our solutions are backed by consistent quality and full compliance and work seamlessly together, letting you focus on your vital work.

Milli-Q® products

Sigma-Aldrich®

The Sigma-Aldrich® portfolio of Merck offers a strong and ever-expanding offering of lab and production materials. Through our technical support and scientific partnerships, we help connect our customers with a whole world of progress.

Sigma-Aldrich® products

BioReliance®

The BioReliance® portfolio of Merck encompasses biopharmaceutical characterization, safety testing and process development, as well as clinical and commercial biomanufacturing. Our experienced teams and operational expertise make us the partner who supports you all the way and always has your vital goal in mind.

BioReliance® products

WE ARE A LEADER IN LIFE SCIENCE

The Life Science business of Merck brings together the world-class products and services, innovative capabilities, and exceptional talent of Merck Millipore and Sigma-Aldrich, to create a global leader in the life science industry. We operate as "Merck".

- We solve the toughest problems in the industry by collaborating with the global scientific community.
- We provide scientists with best-in-class lab materials, technologies and services.
- We can streamline your method development and productivity efficiently.

We Can Make Your Life Straightforward and Help You with Risk Management and Regulatory Due Diligence:

- Products and services following the latest regulations to ensure compliance.
- Resources to meet your exact needs—customer-specific solutions.
- Warehouse and supply chain management with a one-stop shop for prompt delivery and local support.
- Support with applications and methods including value-added services.

We are More than Just a Distributor

- We are the manufacturer of most of the products we offer.
- You can be confident that quality and service are both as important to us as they are to you.

GET THE RESULTS YOU EXPECT EACH AND EVERY TIME WITH OUR EXPANDED OFFERING

OUR STRENGTHS

- Breadth and value of portfolio with a complete workflow offer
- Global footprint
- Supply chain capabilities for reliable delivery
- Certified manufacturing sites
- Distribution sites
- Widespread delivery capabilities from third party distributors

OUR KNOW-HOW

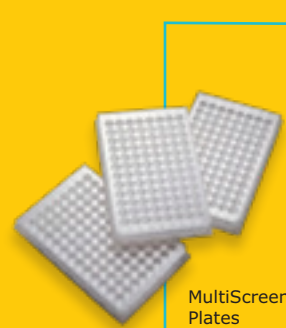
- Heavily funded R&D supporting active product innovation
- Data traceability and reliable results
- Complete quality and safety solutions
- Technical, quality and regulatory expertise

OUR ASSETS

- An extensive portfolio of analytical products for every stage of your drug development
- Whether you are working on product characterization, method development, or final quality control and release, we have the expertise you need
- 24/7 technical support skills and best-in-class customer service
- Consistency and reliability across geographies



WORKFLOW: SMALL MOLECULES AND BIOLOGICS ANALYSIS



Discovery

- MultiScreen® Filter Plates
- Life Science Research Tools
- Discovery Chemistry
- ADME/Tox
- Milli-Q® pure and ultrapure water purification systems



Milli-Q® IQ 7003-7005



Non sterile PTFE Millex® syringe filters

Analytical Quality Control

- HPLC Columns that meet USP, EP, and ICH guidelines
- HPLC Grade Solvents & Reagents
- Solvents, Inorganics, Safety & Essentials
- Karl Fischer & Titration products
- USP, EP and BP Primary reference materials
- Secondary (working) standards including neat and in solution
- GC & TLC complete offering
- ICH Q3D elemental impurity testing
- Filtration products for dissolution testing
- Milli-Q® pure and ultrapure water purification systems



Solvents, Inorganics, Safety & Essentials

TAKE ADVANTAGE OF OUR EXPERTISE IN SEVERAL USP EP BP COMPENDIAL CHAPTERS

- Micro of Non-Sterile Products
- Microbial Limit
- Sterility Tests
- Pyrogens
- Elemental Impurities
- Residual Solvents
- Titrimetry
- Chromatography
- Dissolution
- Mass Spectrometry
- Water Determination
- Biologics
- Validation of alternative Micro methods
- Validation
- Elemental Contaminants in Dietary supplements

Product Characterization & Method Development

- U/HPLC, & LC-MS Columns, Solvents, and Reagents for every application
- Biologics, Peptides, and Small Molecule Mass Spec & QC Standards
- Milli-Q® pure and ultrapure water purification systems
- Filtration tools for every application
- Proteomics Grade enzymes & digestion kits
- Microextraction devices for limited sample size
- Our comprehensive program reveals the true identity of your molecule, ensuring your biotherapy's safety, purity and potency



LC-MS analysis



Microbial Quality Control

- Microbiology Testing for Sterility, Bioburden, Pyrogen testing
- Microorganism reference materials
- Mycoplasma and Viral testing options
- In Process Monitoring Solutions
- Environmental Monitoring
- Milli-Q® pure and ultrapure water purification systems
- Service and Method Development Support



MAS-100 NT® viable air sampler

● Millipore® products ▼ Sigma-Aldrich® products
▼ Supelco® products ◆ BioReliance® products
● Milli-Q® products

LET'S CREATE VALID PATHS TO ACCURATE DATA. TOGETHER.

Merck provides you with the support, expertise and services you require, as well as tools, certified products and innovative materials. For accuracy, reproducibility and compliance that gives you not only a better feeling, but also easy, fast, and compliant results.

LET'S ACHIEVE COMPLIANCE IN PHARMA QC. TOGETHER.

Quality Control is more than numbers. You'll feel the difference when you rely on Merck's management tools, compliance-guaranteed products, and technical services. We work with you to ensure the drug development process is safer and more efficient at every step along the workflow.

Feel the strength of our comprehensive portfolio and trusted solutions. We understand how important it is to rely on high quality products and we now have everything to support you in drug development and QC.

Our portfolio can assure quality and reliability throughout the entire product characterization, method development, manufacturing and quality control process.

ARE YOUR TESTING METHODS OPTIMIZED TO DELIVER ACCURACY, EFFICIENCY AND COMPLIANCE?

Merck has decades of method development expertise and state of the art QC Analytical and Microbiology testing laboratories that can help. We offer competitive pricing with fast turnaround time to develop or optimize methods for your unique products. Updating old and outdated test methods is critical to improving lab productivity saving you time and resources. Ask your Merck representative about our Custom Applications Services today!

@ YOUR SERVICE

As a leading provider of Pharma QC products and contract services, we deliver brilliant customer experiences through every phase of testing, development and manufacturing process - the entire lifecycle of drug therapies.

With comprehensive & integrated packages of services & products, we've long supported biopharma and traditional pharma developers & manufacturers.



WHAT IF COMPLIANCE WAS AN OPEN BOOK?

LET'S ACHIEVE CONFIDENCE. TOGETHER.

ARE YOU REGULATION COMPLIANT?

Compliance with national and international guidelines is one of the most challenging aspects of pharmaceutical work. We can help - in more ways than one. We comply with numerous global standards, such as ISO, ACS, USP, PhEur and FDA CFR's. We offer products with an unrivaled range of specifications and accreditations. And, we provide comprehensive quality documentation to streamline your accreditation and audits. So you can feel good and rest easy.

PARTNERING WITH US REDUCES TOTAL COST OF OWNERSHIP AND MITIGATES SUPPLY CHAIN RISK.

- Forecasting
- Procurement / e-commerce
- Manufacturing / off-the-shelf
- Packaging flexibility
- Shipping
- Tracking & traceability

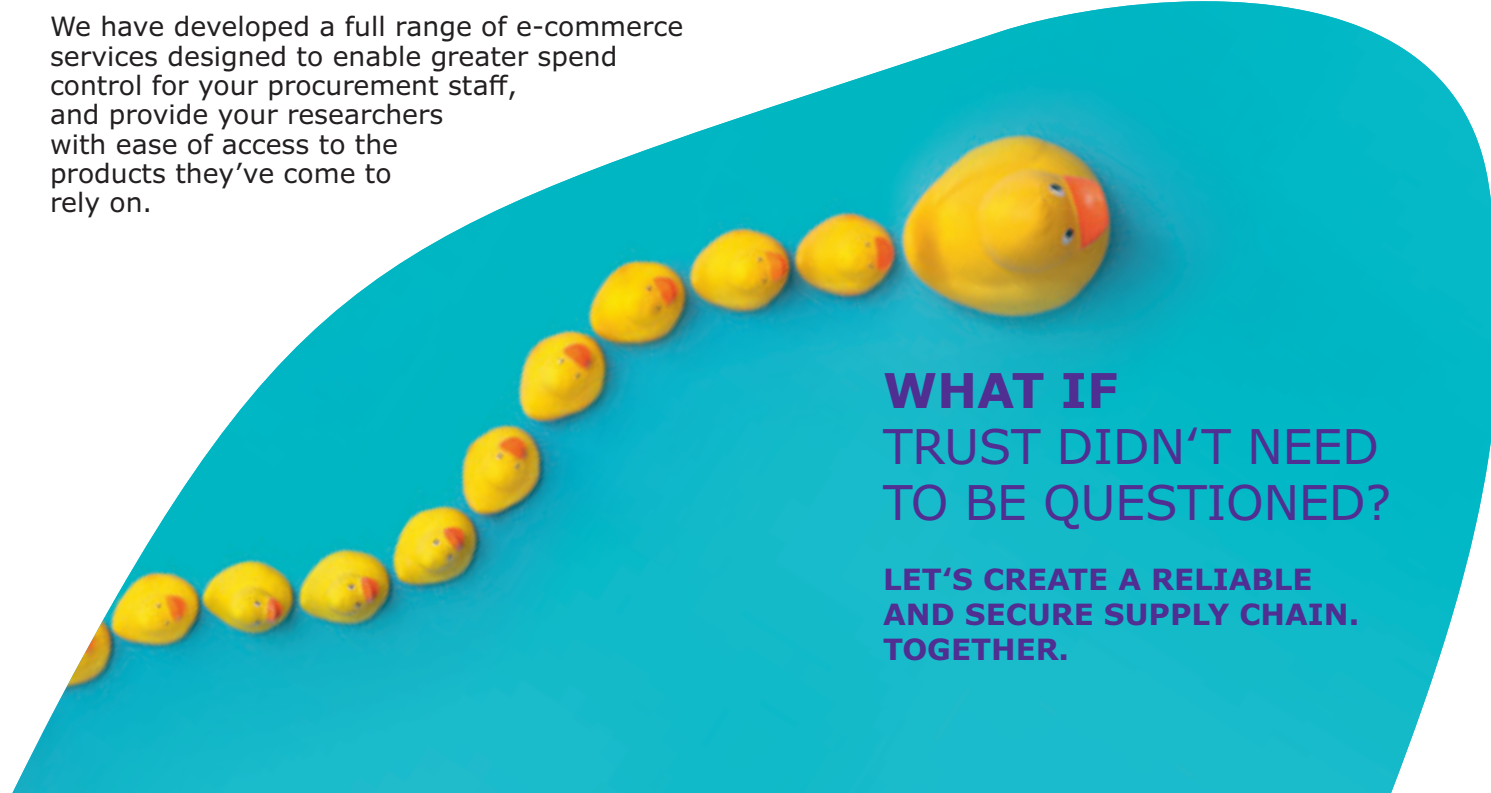
Our global supply chain is designed to meet the highest quality service levels across your organization. From forecasting, to inventory and distribution planning, our advanced ordering process and resources are customized to anticipate and meet your business needs.

We have developed a full range of e-commerce services designed to enable greater spend control for your procurement staff, and provide your researchers with ease of access to the products they've come to rely on.

If you're looking to reduce inventory, automate payments, increase procurement fiscal control, and/or reduce costs—we can tailor a convenient and cost saving e-solution to fit your needs.

Discover how our website is making it easier for you to stay productive and conduct your daily activities in a more efficient manner.

[SigmaAldrich.com/ecommerce](https://sigmaaldrich.com/ecommerce)



WHAT IF TRUST DIDN'T NEED TO BE QUESTIONED?

LET'S CREATE A RELIABLE AND SECURE SUPPLY CHAIN. TOGETHER.

Merck KGaA
Frankfurter Strasse 250
64293 Darmstadt, Germany

SigmaAldrich.com/pharmaQC

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France: 0825 045 645

Spain: 901 516 645 Option 1

Germany: 069 86798021

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Italy: 848 845 645

United Kingdom: 0870 900 4645

For other countries across Europe, please call: +44 (0) 115 943 0840

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