

Certified Reference Materials and Standards

For precise calibration and
accurate results



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

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Reference Materials you can rely on

Our high standards match yours

Reference materials are particularly important in analytical chemistry to ensure test accuracy. They are essential for validation of methods, accurate calibration of measurement systems, and effective quality control. Research grade working standards are not fully characterized and certified, which is why we recommend reference materials (RMs) and certified reference materials (CRMs) to ensure accuracy and reproducibility. Results are only as accurate as your reference.

Consistency is our standard

Our analytical chemists have developed organic, inorganic, and microorganism reference materials which can be used to calibrate simple measurements like pH, all the way to testing applications involving complex diagnoses such as thyroid cancer. Our reliable Cerilliant®, TraceCERT® and Certipur® product lines deliver high-quality standards and certified reference materials to ensure accuracy and reliable results while supporting each laboratory's requirements.

Compliance, always ensured

Regulatory compliance is a critical component of a reference material. With a meticulous supply-chain compliance and regulatory documentation—all our products are tested to industry-specific protocols to ensure the highest standards.

Our systems & processes are inspected and certified by the same regulatory agencies and accreditation bodies that audit your work, including the FDA and the EPA. We develop innovative products in collaboration with national metrology institutes, pharmacopeias and governmental agencies.

Whatever your field of analysis is, we want to help you provide accurate, precise and consistent results. Make sure your decisions are based on accurate and reliable data achieved with Supelco® reference materials and certified reference materials.

Reference Materials Production Sites

Pharmaceutical secondary standards, matrix environmental CRMs and proficiency testing schemes

Laramie, USA

Certipur® inorganic and elemental CRMs

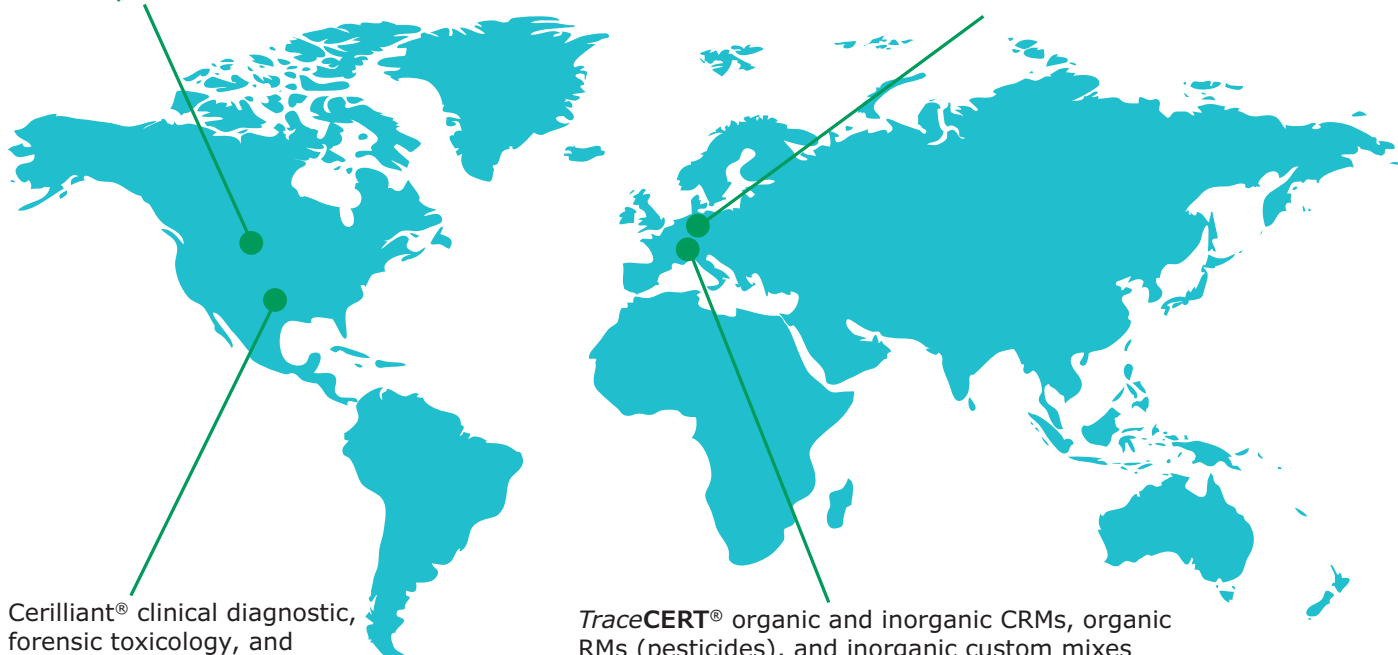
Darmstadt, Germany

Cerilliant® clinical diagnostic, forensic toxicology, and pharmaceutical CRMs and RMs

Round Rock, USA

TraceCERT® organic and inorganic CRMs, organic RMs (pesticides), and inorganic custom mixes

Buchs, Switzerland

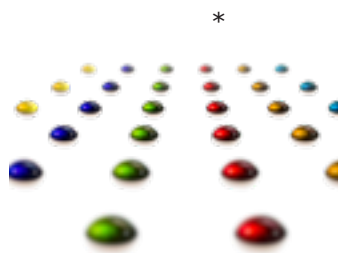


A comprehensive portfolio of chemical standards and reference materials

- Pharmaceuticals and their Impurities
- Drugs of Abuse and their Metabolites
- Endogenous Diagnostic Biomarkers
- Pesticides and Environmental Contaminants
- Vitamins and Natural Products
- Elemental Standards
- Physical Properties (pH, Water Content, Color, etc.)
- Microbiology
- Proficiency Testing
- Stable Isotope Labeled Internal Standards
- Multiple third-party partners including USP and NIST
- Custom services including manufacture, certification, synthesis, packaging, distribution, and inventory management of reference materials

Testing Applications

- Pharmaceutical QC
- Clinical/Diagnostic & Forensic Testing
- Food, Beverage & Cosmetics
- Environmental Testing
- Chemical Processing/Petrochem
- Cannabis Testing



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Fully certified reference materials to the highest industry standards

- Four production sites doubly accredited to ISO 17034/ Guide 34 and ISO/IEC 17025
- Use of validated or qualified testing methods
- Certificate of Analysis, including uncertainty and traceability to meet regulatory requirements
- Real-time assessment of stability and setting of expiry dates and storage conditions based on scientific data

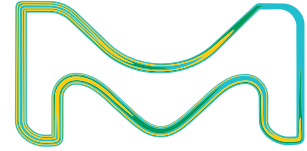
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On our portal we have a search engine to easily find the certified reference materials & standards you need.

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Results are only as accurate as your reference

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