

Make Quality Your Utmost Priority

With Our Primary Standards from Pharmacopeias & NMIs

Whether you're calibrating your measurement system or validating a method, bolster confidence in your analytical results with the use of primary reference standards from pharmacopeias and National Metrology Institutes (NMIs).

We offer globally recognized reference materials issued by authorized bodies, providing the highest level of accuracy and traceability to tests and assays described in corresponding pharmacopeias and NMI testing protocols.

Discover Pharmacopeia and NMI Reference Standards

For applications in Pharma QC, we maintain extensive catalogues of pharmacopeia standards (also called compendial standards) including:

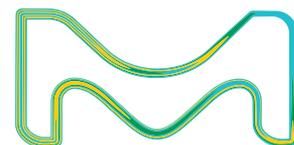
- USP Reference Standards
- EP (Ph. Eur) Reference Standards
- BP Reference Standards

We also distribute primary standards from NMIs, such as:

- NIST Standard Reference Materials (SRMs)
- JRC Reference Standards

Your results are only as accurate as your reference

Reference Material Type	Salient Feature
USP	<p>Qualified by stringent testing methods to confirm their accuracy and reproducibility, primary standards from USP promote quality in pharmaceutical development and manufacturing.</p> <p>We enable convenient shopping and quick delivery of reference materials, including those used for compendial application to United States Pharmacopeia National Formulary (<i>USP-NF</i>) specifications for Active Pharmaceutical Ingredients (APIs), impurities, excipients, dietary supplements, food ingredients and related compounds.</p> <p>The USP Biologics portfolio includes well-characterized reference standards for method development and system performance control. E.g: mAbs, glycans, carbohydrates, etc.</p> <p>Find USP Primary Reference Standards at SigmaAldrich.com/USP</p>
EP	<p>We stock reference standards from The European Directorate for the Quality of Medicines & HealthCare (EDQM) that help establish drug safety/purity standards in the European Pharmacopoeia (Ph. Eur.). The EDQM standards typically include chemical reference substances (CRS), herbal reference standards (HRS) and biological reference preparations (BRP).</p> <p>Find EP Primary Reference Standards at SigmaAldrich.com/EP</p>
BP	<p>Applicable to UK pharmaceutical substances and medicinal products, our collection of BP reference standards sets quality guidelines following the British Pharmacopoeia.</p> <p>Find BP Primary Reference Standards at SigmaAldrich.com/BP</p>
NIST	<p>We distribute Standard Reference Materials (SRMs) from National Institute of Standards and Technology that are specialized reference materials for analysis of industrial raw materials, clinical chemistry, environmental analysis, and food and agriculture.</p> <p>Find NIST SRMs at SigmaAldrich.com/NIST</p>



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JRC	<p>We are an accredited distributor of reference materials from the JRC (Joint Research Center, a Directorate General of the European Commission) that manufactures certified reference materials (pure and matrix CRMs) for environmental analysis, food analysis, clinical chemistry, industrial applications and physical properties. The CRMs are available under the ERM®, EURM®, IRMM® and BCR® brands.</p> <p>The JRC CRMs are produced in accordance with ISO 17034 and the JRC holds accreditation to ISO 17034 (reference materials production), ISO/IEC 17025 (testing) and ISO 17043 (proficiency testing).</p> <p>Find JRC Primary Reference Standards at SigmaAldrich.com/jrc</p>

Primary Reference Standards for your critical applications

Explore our Popular Categories of Primary Standards:

Impurity Standards

Cardiac Drugs

Antibiotics

Dietary Supplements

Excipients

Cancer Drugs

GMO (Genetically Modified Organisms)

Steroids and Hormones

NIST Matrix Material Standards

Nitrosamine Impurities

Did You Know?

Are you still spending time preparing in-house working standards for your Pharma Quality Control lab? Did you know that we offer an extensive range of API and Impurity CRMs which include traceability to the major pharmacopias?

Explore our Pharmaceutical Secondary Standards.



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