

Quality Products for Chromatography

Columns and Consumables

Handle challenging separations and the unique rigors of analyzing proteins, peptides, oligonucleotides, and other biomolecules with Thermo Scientific™ columns and consumables. They support diverse compound structures and properties coupled with matrix complexity, which demand a range of sample separation modes, column chemistries and configurations, and detection techniques to help you effectively characterize biological samples.

Small Molecule Analytical Development

Choose SureStop Vials for Safer Samples and More Efficient Workflows

Paired with the Advanced Vial Closure System (AVCS), Thermo Scientific™ SureStop™ Vials support and protect your work:

- Significantly reduce analytical errors from solvent evaporation
- Increase data integrity and sample throughput while reducing costs
- Seal as well as crimp-top caps
- Align caps and vials with integrated leveling feature
- Provide consistent sealing to help reduce user-to-user differences
- Ensure proper closure with patented design for more confidence



Description	Cat. No.
9mm Autosampler Vial Screw Caps and Septa, Black Caps and Septa with Advanced Vial Closure System (AVCS) Technology	03-379-123
Chromacol™ SureStop™ GOLD-Grade Vials, Clear, 2mL, Screw Thread	13-622-351

Get High-Resolution Separations with Biphenyl Columns

While C18 columns can generally resolve a wide variety of analytes without issue, biphenyl chemistry can be useful in separating aromatic and moderately polar analytes. Based on solid-core technology, Thermo Scientific™ Accucore™ Biphenyl Columns offer an optimized packing procedure and high-resolution separations without elevated backpressures. Experience optimal separation and excellent durability in a variety of matrices with great lifetime stability.



Description	Cat. No.
Accucore C18 HPLC Columns, Particle Size: 2.6µm, L x Dia.: 50 x 2.1mm	17-126-052130
Accucore Biphenyl Guard Cartridges, Particle Size: 2.6µm, L x Dia.: 10 x 2.1mm, 4/Pack	03-251-527
Accucore Biphenyl Reversed-Phase HPLC Columns, Particle Size: 2.6µm, L x Dia.: 50 x 2.1mm	03-251-528
Accucore Biphenyl Reversed-Phase HPLC Columns, Particle Size: 2.6µm, L x Dia.: 100 x 2.1mm	03-251-529
Uniguard™ Direct-Connection Guard Cartridge Holders, for I.D.: 2 to 3mm	85200

Peptide Mapping

Peptide mapping is a critical part of biotherapeutic protein characterization and is essential to elucidate the primary amino acid structure of proteins.

Perform Rapid Digestions with SMART Digest Kits

Rapidly and reproducibly digest proteins into peptides with Thermo Scientific™ SMART Digest™ Kits. The process is simple: just add the protein and a buffer to the SMART Digest Tube, incubate and shake, then centrifuge or filter. That's it. No denaturing agents or reduction/alkylation steps are needed. The technique is readily automated and done in about an hour. Kits include 12 x 8-strip digest tubes in PCR format or a bulk format for 96-well plates.

Choose Thermo Scientific™ SOLA μ ™ Solid-Phase Extraction (SPE) Plates and SOLA™ SPE Cartridges to reduce blocking and deliver highly reproducible sample preparations. Both are ideal for complex plasma-based samples.

Use high-quality syringes and Thermo Scientific™ Target2™ filters to reduce contaminants and particulates that can affect column and instrument performance.

Get Faster Separation with VANQUISH Columns

Get excellent resolution and reproducibility for peptide mapping with Thermo Scientific™ Acclaim™ VANQUISH™ C18 UHPLC Columns. They're ideal for extended pressure capabilities with greater power of separation, speed, and throughput.

The Thermo Scientific portfolio offers a range of innovative column chemistries, including ion exchange Thermo Scientific™ ProPac™ and MAbPac™ lines for high-resolution charge variant analysis.



Description	Cat. No.
SMART Digest Trypsin Kit, with Collection Plate	03-150-404
Acclaim VANQUISH C18 UHPLC Columns, Reverse Phase, Particle Size: 2.2 μ m, L x Dia.: 250 x 2.1mm	03-051-465
National™ Snap-It™ Autosampler Vial Caps, 11mm, Blue, 100/Pack	03-375-24F
Crimp/Snap Top Autosampler Vials, Polypropylene, 11mm, Capacity: 475 μ L, 100/Pack	03-377-299
SOLA μ SPE Plate, SCX 2mg/1mL, 96-Well	60-209-002
SOLA μ SPE Plate, WAX 2mg/1mL, 96-Well	60-209-005
SOLA SPE Cartridge, 10mg/1mL, 100/Pack	03-150-391
Target2 Nylon Syringe Filters, 0.2 μ m, 17mm, 100/Pack	03-391-3B
National Target All Plastic Disposable Syringes, Luer-Slip, 3mL, 100/Pack	03-377-21

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