Gain Efficiency in Biopharmaceutical and Proteomic Analysis

Autosampler Vials and Closures

Screw-Thread Plastic Vials

Quick Protein Digestion Kit
SMART digest™ kits
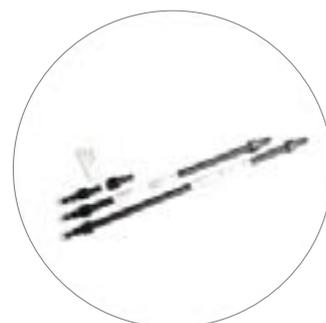
First Fritless SPE
SOLA™ and SOLAµ™ SPE

High-quality, Robust Filtration
Titan3™ Syringe Filters

Separation of Proteins
ProPac™ Elite WXC LC challenging charge variant

Separation of Oligonucleotides
DNAPac™ RP columns

Separation of antibodies and their charged-state variants
MabPac™ SCX-10

Fast, robust and reproducible HPLC gradients
pH Gradient Buffers: CX-1 A&B

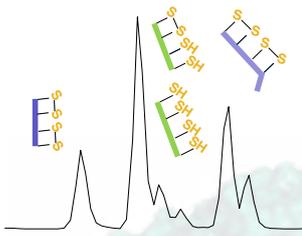**150 A Solid Particles Columns for Biomolecule separation**
Accucore™ Columns

Exceptional peak shape and resolution for HPLC and LC/MS analyses
Hypersil™ GOLD Columns
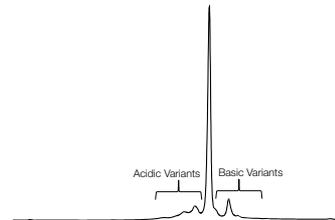
UHPLC-MS Solvents
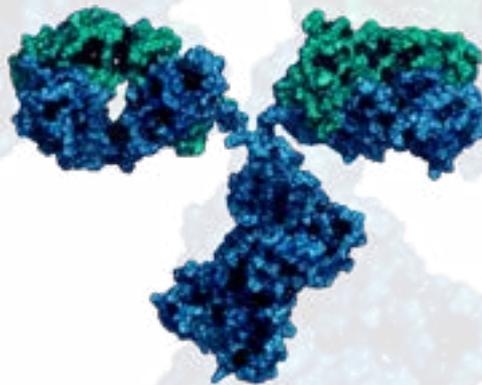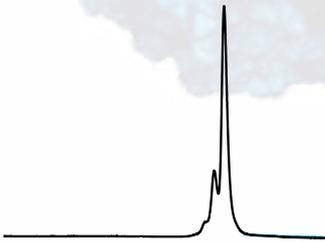
thermo scientific

Take charge of your therapeutic protein separation with Thermo Scientific BioLC Columns

Your complete tool kit - Thermo Fisher Scientific has innovative Thermo Scientific™ BioLC™ columns for each step of your therapeutic protein characterisation, no matter how challenging your separation. To demonstrate our comprehensive options and exceptional performance below we characterised a model sample of Pertuzumab.

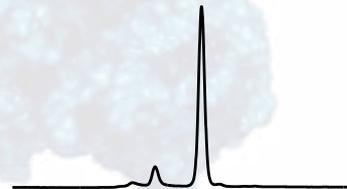Acidic Variants   Basic Variants

Intact or subunit analysis

Thermo Scientific™ MAbPac™ RP is ideal for intact and subunit analysis by MS or UV detection. The polymeric packing material offers column longevity, high resolution and the wide pores to allow for low-carryover profiling of your sample.
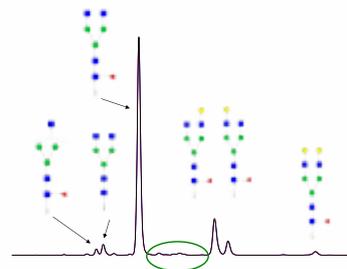
Charge variant analysis

Quickly develop your charge variant method with the Thermo Scientific™ ProPac™ Elite WCX column and the easy-to-use Thermo Scientific™ CX-1 pH gradient buffers. Elucidate your profile in as quickly as 10 minutes on this reproducible platform. Find excellent, complementary selectivity with the Thermo Scientific™ MAbPac™ SCX-10 column.
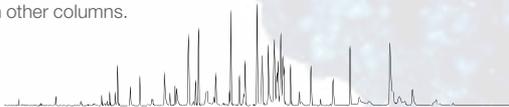
Aggregate analysis

Thermo Scientific™ MAbPac™ SEC-1 offers excellent size exclusion separation even under challenging conditions for aggregate analysis. Compatible with mass spectrometry for native LC-MS/MS workflows.

Oxidation monitoring

Deduce protein folding errors or charge-neutral amino acid modifications with the Thermo Scientific™ MAbPac™ HIC-20 hydrophobic interaction column. Our range of innovative HIC chemistries deliver native separations not seen on other columns.

Peptide mapping

Experience reproducible peptide mapping and quantitation. The combination of rapid digestion from the Thermo Scientific™ SMART Digest Kit and separation with the high resolution Thermo Scientific™ Hypersil™ GOLD column delivers outstanding, reproducible and efficient peptide mapping separations.

Released glycan analysis

Fully characterise your released N-glycans with the Thermo Scientific™ Accucore™ 150 Amide-HILIC column. This solid core column offers high resolution, durability, and the ability to run separations at lower temperatures to reveal the complete glycan profile.