

BENEFITS

- Simple and intuitive purification systems for proteins, antibodies, carbohydrates, nucleic acids & more
- From microgram to multiple gram range
- Providing speed, quality, and versatility in research and lab-scale process development
- Increasing efficiency in method development
- Reduction of processing times
- Minimization of error sources

QUICK ACCESS:

MOBICOLS & LAB COLUMNS

MOBICOLS – Mini Columns, up to 800 µl

Incredibly versatile chromatography columns.
Allows working with small quantities of resin,
markedly reduced buffer consumption & processing time.

UNLIMITED USE (see references)

Tandem affinity purification • Lanthanide separation • Collecting of insect haemocytes • Desalting of peptides before mass spectrometry analysis • Immobilization of carbohydrates • Identification of RNA aptamers • Isolation of different RNA types • PCR product purification before amplicon sequencing • Microscale immunoprecipitation • Whole-mount in situ hybridization • Extraction of Sialic-acid-containing Glycans and Glycopeptides using Serotonin-bonded silica • Isolation of proteins from polyacrylamide gels • Purification of nuclear signal proteins • Protein/peptide enrichment • In vitro pull-down assays for studying protein interactions • Embryonic immunostaining • Desalting of carbohydrates • Immobilization of small molecule drugs • Drug-affinity chromatography • etc.

Empty Mobicols

Mini columns can be packed with a variety of chromatographic media.
Simply fill in the matrix of choice and create your own purification system.

Applications

- Clean-Up of proteins, antibodies, nucleic acids & more
- Useful for size exclusion, affinity, or ion exchange chromatography
- Featured by a wide range of accessories to customize the columns to specific needs

Mobicol Gravi

Gravity-Flow Columns

Luer-Lock fittings enable connection to many chromatography systems or Luer-Lock syringes; procedure extremely robust, adjustments can be made during the run.

Classic Variant

Bottom plug: separate and manually insertable plug at the outlet (e.g., #M1002).

Fixed-Type

Fixed snap-off plug (leak-proof at varying pressures), reverse side can be used for reclosing (e.g., #M1050).

Mobicol Spin

Spin Columns

Rapid purification by centrifugation; easy handling: load sample, spin, and collect the purified product. Works with standard microcentrifuge.

Classic Variant

Bottom plug: separate and manually insertable plug at the outlet (e.g., #M1003).

Fixed-Type

Fixed snap-off plug (leak-proof at varying pressures), reverse side can be used for reclosing (e.g., #M1053).

LAB COLUMNS – Empty Chromatography Columns

Easy-to-handle gravity-flow columns.
Compatible with any chromatography resin.
Syringe-based columns with Luer-Lock connections at both ends.
Come with lower filters with 10 µm, 35 µm, or 90 µm pore size.

Applications

- Affinity chromatography
- Size exclusion chromatography
- Ion exchange chromatography
- E.g., purification of recombinant proteins or plasmid clean-up

Column Sets

Mobicol (up to 800 µl)
2.5 ml Lab Columns
5 ml Lab Columns
10 ml Lab Columns

Pre-Filled Mobicols

Mini chromatography cartridges pre-packed with different resins for separation and purification of various biomolecules
Ready-to-use • Fast procedure • No sample dilution

Mobicol Spin S

Fast and reproducible purification of nucleic acids, proteins, polysaccharides, and other macromolecules by size exclusion chromatography.

Applications

- Nucleotide removal
- Plasmid & PCR reaction purification
- Removal of unincorporated dyes
- Purification of virus RNA

Mobicol Spin G

Includes proven gel filtration resin. Quickly desalts, removes contaminants, and transfers to a new buffer in a single step.

Applications

- Buffer exchange
- Nucleotide removal
- Removal of dye terminators
- Detachment of labeling tags

Mobicol Spin Desalting

Well-ried silica matrix separates molecules by size exclusion chromatography. Confident handling: silica resins are allowed to fall dry without any loss in purification efficiency. Improved recovery of small-sized nucleic acid fragments.

Applications

- Purification of nucleic acids from small contaminants
- Desalting and buffer exchange, especially of small-sized nucleic acid fragments and dNTPs

Mobicols with Immobilized Enzymes

Enzyme immobilization provides enzyme reutilization and prevents the loss of enzyme activity. Immobilized systems provide better enzyme thermostability and pH tolerance. The method shortens redundant downstream and purification processes.

Applications

- Dephosphorylation of vector DNA
- Removal of DNases and RNases
- Protein digestions for peptide mapping & protein sequencing

Mobicol Spin Ni-IDA

Protein purification by affinity chromatography. Improved target specificity by optimized silica-based Ni²⁺-IDA matrix. Eliminates almost all non-specific interactions of contaminating host proteins with the adsorbent.

Applications

- Purification of recombinant polyhistidine-tagged proteins
- Suitable for small proteins, large protein complexes, proteins with low expression rates

Customized Services

Custom Filling:
Mini Columns packed with the matrix of your choice.
Outsource labor-intensive steps!

Applications

- Life Science Research
- Laboratory Diagnostics
- Food Safety

