



# Sepax BioMix

## MIXED-MODE SIZE EXCLUSION COLUMN

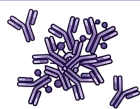


The BioMix columns are engineered with dual mixed-mode selectivity, resolving bispecific antibody mispaired variants and hydrophobic impurities that are unresolved by standard SEC technology.

### TARGET APPLICATIONS



**Bispecific Antibody Mispairing Analysis**



**mAbs & ADC Aggregation Studies**



**Hydrophobic Protein Characterization**



**Biopharmaceutical QC & Purity Testing**

**Mixed-Mode SEC**

RESIN

Hydrophobic patches

### WHY BIOMIX?

Resolves **BsAb mispaired species** co-eluting on standard SEC

**Dual selectivity** – Size and hydrophobicity in one injection

**300+ injections** with negligible column deterioration

Compatible with **standard HPLC systems**, no special hardware

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### COLUMN SPECIFICATIONS

Particle size(μm)	3
Pore size (Å)	300
ID (mm)	2.1, 4.6, 7.8, 10, 21.2
Length (mm)	50, 150, 300
Silica	Spherical, high purity

#### Mixed-Mode Chemistry

Combines size-exclusion with hydrophobic interaction selectivity in a single run

#### MALS-Compatible

Seamlessly couples with multi-angle light scattering for direct molecular weight measurement of each resolved peak under native conditions.

### PEER-REVIEWED REFERENCES

Characterization of Bispecific Antibody Production in Cell Cultures by Unique Mixed Mode Size Exclusion Chromatography



*Anal. Chem.* 2020, 92, 9312

Analysis and purification of IgG4 bispecific antibodies by a mixed-mode chromatography



*Anal. Biochem.* 2015, 484, 173

**Analytical and Preparative Options Available**



### COLUMN SCREENING SERVICE

Not sure which column or mobile phase to use? Sepax offers a full column screening and method development service. Rapid, cost-effective, and tailored to your sample type.

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