

ZetaSep Affinity Columns

High resolution protein purification



The **emp** BIOTECH range of pre-packed affinity chromatography columns is designed to provide researchers with a rapid and cost-efficient method of purifying proteins on automated systems.

With a clean design and attractive price, they are designed for use in research laboratories and academic institutions.

The resins used in the **ZetaSep** products are all based on cross-linked agaroses – the material of choice for protein purification over the past 30 years. The affinity ligands are immobilised onto the solid phase using stable, industry-standard immobilisation chemistries and precision packed in the **ZetaSep** column housing to ensure optimum performance.

Each column is supplied with easy-to-follow instructions for use, regeneration and storage.

Columns are available in 1 ml and 5 ml bed volumes and supplied with M6 fittings, allowing easy connection to standard purification systems.

For larger volumes of resin, bulk packs as well as our **ZetaSep FlashFlow** line of glass bore axial columns and **ZetaSep FlashFlow** radial columns are available.



ZetaSep Affinity Columns

High resolution protein purification

Antibody and antibody fragment purification:

Group Code	Product Name	Bead Type	Flow Rate	Binding Capacity
TM-1401	ZetaSep FlashFlow Protein A	4% 100 µm	>500 cm·hr ⁻¹	25 mg hIgG/ml
TM-1402	ZetaSep FlashFlow Protein A HC	6% 35 µm	>1,000 cm·hr ⁻¹	75 mg hIgG/ml
TM-1403	ZetaSep FlashFlow Protein G	4% 100 µm	>500 cm·hr ⁻¹	20 mg hIgG/ml
TM-1404	ZetaSep Protein L	4% 100 µm	>500 cm·hr ⁻¹	10 mg hIgG/ml

Tagged protein purification:

Group Code	Product Name	Bead Type	Flow Rate	Binding Capacity
TM-1406	ZetaSep FlashFlow IDA	6% 100 µm	>1,000 cm·hr ⁻¹	10-20 µmol Me ²⁺
TM-1405	ZetaSep Nickel NTA	6% 100 µm	>1,000 cm·hr ⁻¹	50 mg protein/ml
TM-1410	ZetaSep Cobalt NTA	6% 100 µm	>1,000 cm·hr ⁻¹	50 mg protein/ml
TM-1407	ZetaSep GST	4% 100 µm	>500 cm·hr ⁻¹	ca. 10 mg protein/ml

Biotin / Streptavidin binding:

Group Code	Product Name	Bead Type	Flow Rate	Binding Capacity
TM-1408	ZetaSep FlashFlow Streptavidin HC	6% 35 µm	>1,000 cm·hr ⁻¹	300 nmol biotin/ml
TM-1409	ZetaSep Biotin	4% 100 µm	>500 cm·hr ⁻¹	ca. 30 mg avidin/ml

Ordering information:

ZetaSep affinity columns are available either directly from **emp BIOTECH**, or from our worldwide network of authorised distributors.

Details may be found at www.empbiotech.com/contact/distributors.

To order a 1 ml column, add the suffix "-M001.0-001".

To order a 5 ml column, add the suffix "-M005.0-001".

For more information, call us at **+49 30 9489 2201** or e-mail at tech@empbiotech.com

