

# Zetarose

## Affinity Purification Solid Phases

For affinity purification of biomolecules



The **Zetarose** range of affinity agarose beads puts the power of directed purification firmly in your hands. An outstanding assortment of affinities enables the exploitation of the unique interaction between certain pairs of biomolecules, allowing for rapid and convenient separation of a complex mixture into a desired single purified fraction.

*emp BIOTECH's* range of affinity solid phases is grouped into three main categories:

**Antibody affinity** – For the purification of antibodies and antibody fragments

**Tag affinity** – For the purification of biomolecules through interaction with a linker tag

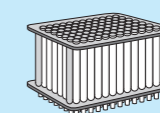
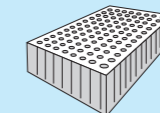
**General affinity** – For purification via specific interactions not covered by the above

Based on porous and stable cross-linked beaded agaroses, **Zetarose** solid phases offer a robust platform for repeated purification cycles. By careful engineering of the linker chemistry used to immobilize the active ligand to the bead, **Zetarose** solid phases may be used for repeated purification cycles – making high-end affinity separation a more affordable approach to your separation methodology.



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Product Name	Agarose Conc.	Ligand Density	Maximum Flow Rate	Target	Bulk Resin	ZetaSep FPLC Column	MINI Spin Column	MicroPlate	Multi Column Array	GraviPure Column
Zetarose Protein A FF	4 %	6 mg/mL	>300 cm/hr	Antibody	TM-1408	ZS-1408	MS-1408	MP-1408	MC-1408	GP-1408
Zetarose Protein A Endure FF	4 %	6 mg/mL	>300 cm/hr	Antibody	TM-1409	ZS-1409	MS-1409	MP-1409	MC-1409	GP-1409
Zetarose Protein A HC	6 %	Proprietary	>250 cm/hr	Antibody	TM-1419	ZS-1419	MS-1419	MP-1419	MC-1419	GP-1419
Zetarose Protein G FF	4 %	Proprietary	>300 cm/hr	Antibody	TM-1410	ZS-1410	MS-1410	MP-1410	MC-1410	GP-1410
Zetarose Protein L CL4	4 %	3 mg/mL	>300 cm/hr	Antibody	TM-1404	ZS-1404	MS-1404	MP-1404	MC-1404	GP-1404
Zetarose Glutathione	4 %	>20 $\mu\text{mol/mL}$	>300 cm/hr	GST-tag	TM-1411	ZS-1411	MS-1411	MP-1411	MC-1411	GP-1411
Zetarose IDA	6 %	>30 $\mu\text{mol M}^{2+}/\text{mL}$	>500 cm/hr	His-tag	TM-1415	ZS-1415	MS-1415	MP-1415	MC-1415	GP-1415
Zetarose NTA (metalfree)	6 %	>15 $\mu\text{mol M}^{2+}/\text{mL}$	>500 cm/hr	His-tag	TM-1414	ZS-1414	MS-1414	MP-1414	MC-1414	GP-1414
Zetarose Co-NTA	6 %	>15 $\mu\text{mol M}^{2+}/\text{mL}$	>500 cm/hr	His-tag	TM-1416	ZS-1416	MS-1416	MP-1416	MC-1416	GP-1416
Zetarose Cu-NTA	6 %	>15 $\mu\text{mol M}^{2+}/\text{mL}$	>500 cm/hr	His-tag	TM-1417	ZS-1417	MS-1417	MP-1417	MC-1417	GP-1417
Zetarose Ni-NTA	6 %	>15 $\mu\text{mol M}^{2+}/\text{mL}$	>500 cm/hr	His-tag	TM-1412	ZS-1412	MS-1412	MP-1412	MC-1412	GP-1412
Zetarose Zn-NTA	6 %	>15 $\mu\text{mol M}^{2+}/\text{mL}$	>500 cm/hr	His-tag	TM-1418	ZS-1418	MS-1418	MP-1418	MC-1418	GP-1418
Zetarose Biotin CL4	4 %	Proprietary	>300 cm/hr	Avidin Streptavidin	TM-1421	ZS-1421	MS-1421	MP-1421	MC-1421	GP-1421
Zetarose Heparin FF6	6 %	Proprietary	>500 cm/hr	Heparin binding molecules	TM-1401	ZS-1401	MS-1401	MP-1401	MC-1401	GP-1401
Zetarose Heparin HC	6 %	Proprietary	>250 cm/hr	Heparin binding molecules	TM-1420	ZS-1420	MS-1420	MP-1420	MC-1420	GP-1420
Zetarose Streptavidin HC	6 %	Proprietary	>250 cm/hr	Biotin	TM-1402	ZS-1402	MS-1402	MP-1402	MC-1402	GP-1402

Zetarose solid phase resins are supplied in bulk or pre-packed in a wide range of ready-to-use formats. All Zetarose products are manufactured in dedicated ISO certified facilities under strict control of the highest internationally recognized quality standards.

emp BIOTECH is also pleased to supply you with fully customized solid phases designed specifically for your application. Please contact us for a consultation.



## Explore our Range of Resins



In addition to the AFF resin range, you may also be interested in our other purification solid phases including:

**Activated (ACT)**

**Hydrophobic interaction (HIC)**

**Ion exchange (IEX)**

**Size exclusion (SEC)**

A Regulatory Support File (RSF) can be provided on request.

*emp BIOTECH* offers a resin customization service and we will be pleased to discuss your requirements with you. Please do not hesitate to contact us for further information.

For more information, please contact us at **+49 30 9489 2201**  
or [resins@empbiotech.com](mailto:resins@empbiotech.com)

