

TRISOPOR[®] -Protein A

CATALOG #:	50 % slurry:
51908 - 0001	1 mL
51908 - 0005	5 mL
51908 - 0025	25 mL
51908 - 0100	100 mL
51908 - 0250	250 mL
51908 - 0500	500 mL
51908 - 1000	1000 mL
51908 - 2000	2000 mL
51908 - 5000	5000 mL
>5000 mL as bulk - please inquire	

INTRODUCTION:

TRISOPOR[®] -Protein A is a controlled porous glass matrix coupled covalently with recombinant Protein A. It is designed for isolation of monoclonal or polyclonal antibody from various medias.

CONTENTS:

TRISOPOR[®] -Protein A is supplied as a 50% slurry in 20mM NaPO₄ storage buffer containing 1% benzylalcohol as bacteriostatic agent.

TECHNICAL DATA:

Base Matrix	Controlled Pore glass
Mean Particle size	60-120 μ m
Mean Pore size	60 - 100 nm
Ligand	Recombinant native Protein A
pH Range	1 - 8.5
Static Binding Capacity	>40mg/ml
Dynamic Binding Capacity	>25mg/ml
Recommended Mobile Phase Velocity	Up to 700cm/h
Recommended Long Term Storage	4°C, plus 1% Benzyl Alcohol in 20mM NaPO ₄ buffer DO NOT FREEZE

USAGE:

For Research Purpose Only! Not to be used in humans!

RECOMMENDED PROTOCOLS:

1. Batch procedure

Matrix Preparation:	Fill TRISOPOR [®] -Protein A in a reaction tube To equilibrate wash matrix with 20mM NaPO ₄ ph 7.0 (10x volume of matrix) 3 times
Sample Preparation:	Dilute serum sample with 20mM NaPO ₄ ph 7.0 1:1
Sample Load:	Pipette diluted serum sample onto washed matrix.
Incubation:	30min at room temperature and shake slightly
Wash:	first wash 20mM NaPO ₄ ph 7.0 + 1M NaCl second and third wash 20mM NaPO ₄ ph 7.0 (10x volume of used matrix for each wash step)
Elute:	0.8M Tris/Glycin pH 2.6 (one volume of matrix). Allow to incubate Elution buffer for 10min.

2. Column procedure

1. Matrix Preparation:	To equilibrate wash column with 20mM NaPO ₄ pH 7.0 (10x Column volumes (CV)) Flow rate: 0.5ml/min
2. Sample Preparation:	Dilute serum sample with 20mM NaPO ₄ pH 7.0 1:1
3. Sample Load:	Decrease Flow rate: 0.1ml /min Load diluted serum sample onto column.
4. Wash:	Wash with 20mM NaPO ₄ pH 7.0 + 1M NaCl to baseline (5-10 CV) Flow rate: 0.5ml/min
5. Elute:	0.1M Tris/Glycin pH 2.6. Flow rate: 0.5ml/min
	Return to step 1 for new load or equilibrate with storage buffer

Note: It is possible to regenerate column with 150mM acetic acid or 6M Urea. Recommend after 10 cycles. Don't use any reagents with pH higher than 8.5 !

BUFFER EXAMPLES:

Binding buffer:	20mM NaPO ₄ pH 7.0
Wash buffer:	20mM NaPO ₄ pH 7.0 + 1M NaCl
Elution buffer:	0.8 M Tris/Glycin pH 2.6
Storage buffer:	20mM NaPO ₄ pH 7.0 + 1% benylalcohol
Sanitation:	6M Urea Acetic acid pH 1.5