



TRISOPOR[®] -Protein A: prepacked columns ready to use

CATALOG #:	column volume	column size (mmID x mmL)
51900 - 0010	1 mL	8 x 20
51900 - 0025	2,5 mL	8 x 50
51900 - 0050	5 mL	8 x 100
Other coulmn formates - 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 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 PROTOCOL:

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