Protein A/G SpinTrap Buffer Kit

Introduction

Protein A/G SpinTrap™ Buffer Kit is designed for protein enrichment using Protein A HP SpinTrap or Protein G HP SpinTrap columns.

- The kit is sufficient for 16 reactions and contains reagents for both the Classic and Crosslink protocols (with or without elution of antibody together with target protein). Some of the reagents are delivered in two bottles for increased stability.
- The Classic and Crosslink protocols are available in the user instruction delivered with Protein A HP SpinTrap, Protein G HP SpinTrap and Ab SpinTrap - see Ordering Information.
- The kit consists of both stock solutions and reagents ready for use. Working solutions are prepared by adding distilled water directly into the stock solution bottle according to the Dilution Table.
- The kit eliminates time-consuming buffer preparation and thus promotes fast, reproducible and convenient enrichment of target protein from a complex protein mix.

Note: *For stability reasons urea and DMP (Dimethyl pimelimidate dihydrochloride) are not included in the kit. Urea and DMP are used in the Crosslink protocol.*

Kit content

Buffer	Buffer content	Formul-ation	No. of bottles	Volume
Binding/ Washing Buffer (TBS)	0.5 M Tris 1.5 M NaCl pH 7.5	10×	2	2 × 5 ml
Elution Buffer (Classic)	2.5% HAc	Ready to use	1	20 ml
Elution Buffer (Crosslink)	1 M Glycine-HCl pH 2.9	10×	1	3 ml
Crosslink Solution A	2 M Tretha-nolamine pH 8.9	10×	1	4 ml
Crosslink Solution B	1 M Ethano-lamine pH 8.9	10×	2	2 × 1 ml

Dilution Table

Buffer	Stock solution volume	Water added	Final concentration
Binding/ Washing Buffer (TBS)	5 ml	45 ml	50 mM Tris 150 mM NaCl pH 7.5 [1]
Elution Buffer (Crosslink)	3 ml	27 ml	0.1 M Glycine-HCl pH 2.9 [2]
Crosslink Solution A	4 ml	36 ml	200 mM Triethanolamine pH 8.9 [3]
Crosslink Solution B	1 ml	9 ml	100 mM Ethanolamine pH 8.9

Preparations for Crosslink protocol

1 Washing Buffer is TBS (50 mM Tris; 150 mM NaCl) pH 7.5 with 2 M urea. Add urea to a final concentration of 2 M to a portion of the working solution (2 ml required/column)

2 Elution Buffer is 0.1 M Glycine-HCl pH 2.9 with 2 M urea. Add urea to a final concentration of 2 M to a portion of the working solution (1 ml required/column)

3 Triethanolamine is used for buffer change, cross-linking and washing. For cross-linking, DMP (Dimethyl pimelimidate dihydrochloride) is added to a final concentration of 50 mM. Add DMP to a portion of the working solution (400 µl required/column)

Ordering information

Products

Description	Quantity	Code No.
Protein A/G SpinTrap Buffer Kit	1	28-9135-67

Related products

Description	Quantity	Code No.
Protein A HP SpinTrap	16 columns	28-9031-32
Protein G HP SpinTrap	16 columns	28-9031-34
Ab SpinTrap	50 columns	28-4083-97

Literature

Title	Code No.
Data File Ab SpinTrap	28-9020-30
Data File Protein A HP SpinTrap	28-9067-89
Data File Protein G HP SpinTrap	28-9067-90
Antibody Purification Handbook	18-1037-46
Affinity Chromatography Handbook	18-1022-29

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