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Micro Spin Filter Column for IP, Co-IP, and Immunodepletion

IP or Co-IP Micro Spin Filter Column (elution volume as low as 10 µl)

Cat. #	Description	Quantity	
IP111	Micro Spin Filter columns for IP, Co-IP, Immunodepletion, and affinity chromatography (Ni, GST resin etc.)	50 preps	
IP111S	Micro spin Filter columns with Elution and Neutralization Buffers	50 preps	
Ecap-A	End Caps for Micro Spin Columns and Micro Spin Filters	50	

Note 1: Micro Spin Filters come with 2 ml collection tubes

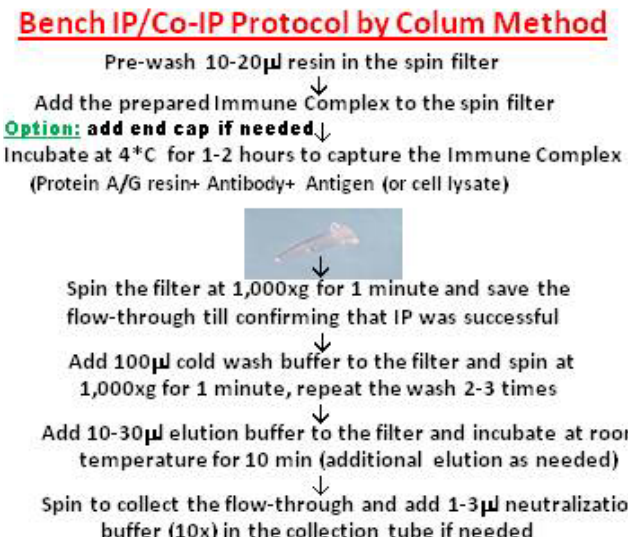
Description:

Micro Spin Filter provides an easy and efficient column method for Immunoprecipitation (IP), Co-IP, and Immunodepletion. All the procedures involve 1) incubation of an antibody with a sample that contains the protein antigen of interest, 2) capturing the antibody-antigen complex to immobilized Protein A or Protein G agarose beads, 3) washing to remove unbound components of the sample, and 4) separation of antigen and antibody from beads.

Advantage of using spin filter column

Traditional method: The entire procedure is performed in a microcentrifuge tube, which requires a) careful removal of solution from agarose resin after pelleted by centrifugation and b) eluting IP-complex by boiling the resin in denaturing sample loading buffer for SDS-PAGE analysis, which will denature and separate antibody into heavy and light subunits.

Column method: Solution can be easily separated from the beads during the wash steps and the antibody-antigen complex can be eluted by low pH buffer and neutralized for subsequent analysis instead of being denatured or cleaved into separate subunits. Furthermore, the resin often can be reused to save the cost.



Applications:

* Immunoprecipitation (IP)
* Co-immunoprecipitation (co-IP)
* Immunodepletion
* Other small scale affinity chromatography such as Ni-resin, GST resin etc…

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Highlights:

Efficiently and effectively remove contaminating proteins from beads
No resin loss, high recovery of antigen and co-precipitated proteins
Low pH elution provides milder and less denaturing recovery of the antibody-antigen complex
Fast and Easy with Spin protocol
Cost efficient by reusing affinity resin
Filter Disc does not bind to DNA/RNA or Proteins

Applications:

Immunoprecipitation (IP) Co-immunoprecipitation (co-IP) Immunodepletion
Other small scale affinity purification (affinity chromatography) such as Ni-resin, GST resin etc.