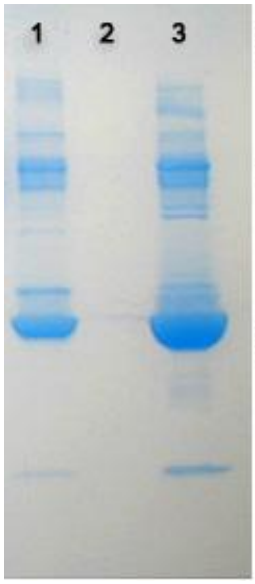
BIOTECH SUPPORT GROUP

BindPro™

Protein Removal for Drug Binding/Screening and Metabolomics

- Linearly scaleable, unlike ultrafiltration
- Suitable for use with surfactants, chaotropes, water-soluble analytes
- Fast process, less than 15 minutes from application to separation
- Applicable for drug binding/screening, metabolomics and protein recovery

BindPro™ is a polymeric protein removal suspension reagent. It is designed as an alternative to ultrafiltration for applications that require a more versatile or scaleable format. BindPro™ also can be used in lieu of solvents for drug binding studies, especially useful for analytes that are water soluble. Consequently, BindPro™ has applications in a range of drug binding, screening and metabolomic investigations. If desired, proteins can be recovered from BindPro™ under moderately alkaline conditions.



Lane 1: Plasma Control

Lane 2: Plasma after treatment with BindPro™
Note: Protein bands are not present indicated quantitative protein binding to BindPro™ surface.

Lane 3: Eluent from BindPro™.
Note: If necessary, proteins bound can be quantitatively recovered from BindPro™

Protein	BindPro™: Sample	Removal
BSA, PBS @ 30 mg/ml	1 : 1	>99%
BSA, 1%SDS @ 30 mg/ml	1 : 1	>99%
BSA, 3M GuSCN @ 30 mg/ml	1 : 1	>99%
Human Serum	2 : 1	>99%

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Product	Size	# of Samples & Sample Size*	Item No.	Price
BindPro™	15 ml	75, 100µl Serum Samples	BP355-15	$325
BindPro™	50 ml	250, 100µl Serum Samples	BP355-50	$680

Items Required	10 Prep	50 Prep	Reagent
BindPro™	0.5 gram	2.5 grams	**Supplied**
Binding Buffer HVBB, *PH 6.0*	15 ml	125 ml	**Supplied**
Wash Buffer HVWB, *PH 7.0*	15 ml	125 ml	**Supplied**
Elution Buffer HVEB, *PH 9.8*	15 ml	125 ml	**Supplied**
SpinX Centrifuge tube filters	10	50	**Supplied**

PROTOCOL

1. Resuspend BindPro™ by shaking well prior to use.
2. Add 2ml of BindPro™ to 1 ml of the sample (2:1 volume ratio). Use wide bore pipette tips.
3. Gently mix by inversion for 10 minutes at room temperature.
4. Centrifuge sample at 10,000 x g for 5 minutes or microfuge at 16,000 x g for 5 minutes.
5. Retain the precipitate, which contains bound proteins and is ready for further processing.

Note: To elute the bound proteins, a high pH buffer can be employed (pH >9.0)

References

Wolbachia Lipoprotein Stimulates Innate and Adaptive Immunity through Toll-like Receptors 2 and 6 to Induce Disease Manifestations of Filariasis Joseph D. Turner J. Biol. Chem. 2009 284: 22364-22378.

CONTACT US

We welcome your questions and comments regarding our products.

Call 732-274-2866, 800-935-0628 (North America) Mon – Fri 9am-6pm EST.
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