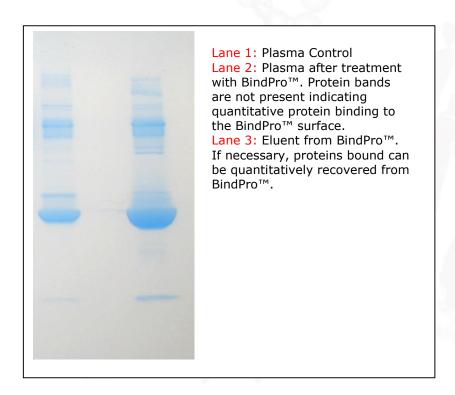


BindPro™

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.





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%

Product	Size	# of Samples & Sample Size*	Item No.	Price
BindPro™	15 ml	75, 100µl Serum Samples	BP355-15	\$375
BindPro™	50 ml	250, 100µl Serum Samples	BP355-50	\$745

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

Lipoproteins

Turner, Joseph D., R. Stuart Langley, Kelly L. Johnston, Katrin Gentil, Louise Ford, Bo Wu, Maia Graham et al. "Wolbachia lipoprotein stimulates innate and adaptive immunity through Toll-like receptors 2 and 6 to induce disease manifestations of filariasis." Journal of Biological Chemistry 284, no. 33 (2009): 22364-22378.



Patent

Bhogal, John, Shridhara Alva Karinka, Timothy P. Henning, David Cunningham, Udo Hoss, Andrew H. Naegeli, and John Latour. "Methods of Collecting and Analyzing Samples." U.S. Patent 20,120,296,189, issued November 22, 2012.

CONTACT US

We welcome your questions and comments regarding our products.

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