



## 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.





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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.



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### 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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