



BIOTECH SUPPORT GROUP

## BindPro™ Metabolomics

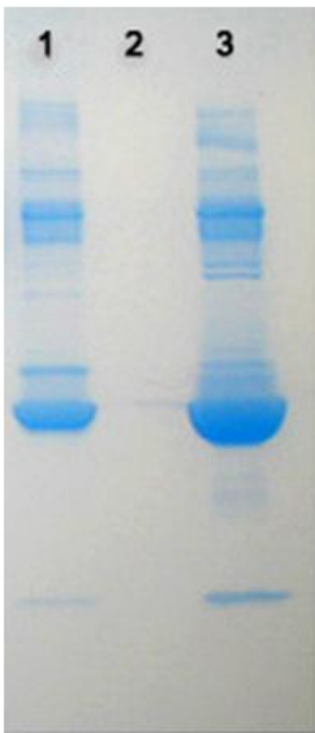
*Protein Removal & Enrichment of Metabolites/Analytes From Serum or Plasma*

## BindPro™ Metabolomics

### *Protein Removal & Enrichment of Metabolites/Analytes From Serum or Plasma*

- Serum and plasma protein removal, >95%
- Linearly scalable, unlike chemical precipitation or membrane filtration.
- Fast process, less than 30 minutes from application to separation
- Applicable for drug binding/screening and metabolomics
- Removes proteins from many species including human, mouse, sheep, bovine, goat, rat, and calf
- The process could be scaled up or down.
- The bound protein can be eluted from the surface quantitatively.
- It is supplied as dry powder.
- Compatible with high throughput systems such as 96 well plate.

BindPro™ is an umbrella trademark for polymeric reagents designed as alternatives to ultra filtration and solvent precipitation for applications that require protein removal and/or concentration in a more versatile or scalable format. BindPro™ Metabolomics is reengineered for increased stability. It is based on silica covalently bound to elastomeric poly electrolytes. BindPro™ Metabolomics also can be used in lieu of solvents for drug binding studies, especially useful for analytes or metabolites.



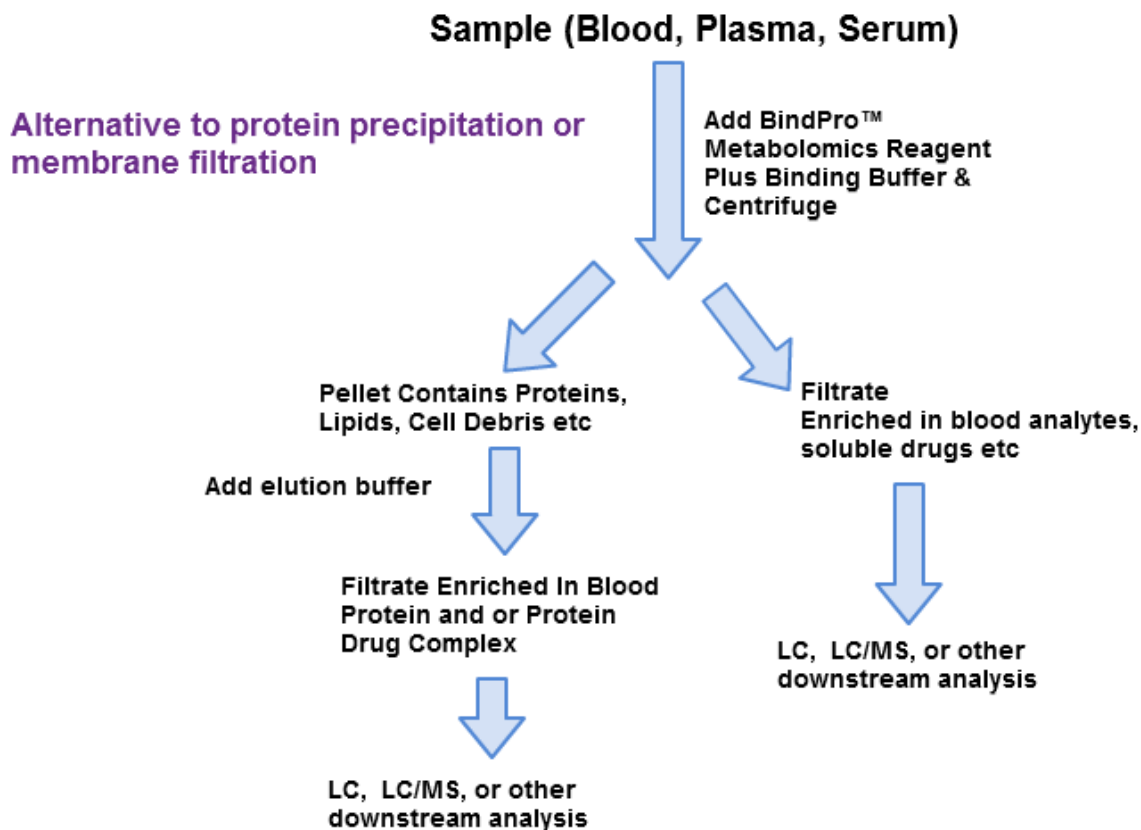
**Lane 1: Plasma Control**

**Lane 2: Plasma after treatment with BindPro™ Metabolomics.**

**Note:** Protein bands are not present. Indicated quantitative protein binding to BindPro™ Metabolomics surface.

**Lane 3: Eluent from BindPro™ Metabolomics.**

**Note:** If necessary, proteins bound can be quantitatively recovered from BindPro™ Metabolomics.



Protein Removal Per Prep	Removal
BSA, 1 to 2 mg	>95%
Plasma or Serum 1 to 2 mg	>95%

Product	Size	# of samples & Sample Size*	Item No.	2012 Price
<b>BindPro™ Metabolomics</b>	15 Preps	15 preps, 20-30 µl of serum per run	BPM55-15	\$275
<b>BindPro™ Metabolomics</b>	50 prep	50 preps, 20-30 µl of serum per run	BPM55-50	\$550



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## **BindPro™ Metabolomics**

*Protein Removal & Enrichment of Metabolites/Analytes From Serum or Plasma*

<b>Items Required</b>	<b>15 prep</b>	<b>50 Prep</b>	<b>Reagent</b>
BindPro™ Metabolomics	0.75 grams	2.5 grams	<b>Supplied</b>
Binding Buffer BPMBB, PH 6.0	8.0 ml	25 ml	<b>Supplied</b>
Elution Buffer BPMEB	8.0ml	25ml	<b>Supplied</b>
SpinX Centrifuge tube filters	15	50	<b>Supplied</b>

### **PROTOCOL – Based on processing 20-30 µl Serum or Plasma Sample. (Designed to remove 1-2 mg of total protein per prep)**

1. Weigh out 50 mg of **BindPro Metabolomics™** matrix in a spin-tube.
2. Add 200 µl of **Binding Buffer BPMBB**. Vortex or mix well for 5 minutes at room temperature followed by centrifugation at 10,000 rpm. Discard the flow through.
3. Add 200 µl **Binding Buffer BPMBB** and 20 µl of the serum or plasma sample to spin tube. Vortex for 10 min and then centrifuge for 4 minutes at 10,000 rpm.
5. Remove the filtrate as Flow-Through **FT**.
6. This FT is now ready for further analysis.
7. Add 200ul **Elution Buffer BPMEB** to the spin tube. Vortex for 10 min and centrifuge for 4 minutes at 10,000 rpm. The eluted protein is in the flow through.

### **CONTACT US**

We welcome your questions and comments regarding our products.

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