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Finally an Easier Solution for Protein Precipitation

Ophenomenes Protein Precipitation Plate





Rapid Protein Precipitation without the Complications

Fast Analysis

- Save time and increase efficiency by performing precipitation and filtration sequentially in the same plate

Peace of Mind

- Filtering instead of pelleting precipitated protein ensures clean samples without additional transfer steps

No More Filtrate Transfer Steps

- No manual or automated filtrate transfe







Specially treated filters effectively hold organic solvent and trap protein precipitates





Process 96 Plasma or Tissue Samples At Once

- · Direct-in-plate precipitation and filtration for faster analysis
- No resuspension of pelleted protein
- · Versatile solvent compatibility; precipitate with acetonitrile or methanol
- Efficient precipitation with no cross-contamination or clogging





* A 3:1 v/v ratio of organic solvent to biological sample will dilute your sample less. In contrast, a 4:1 v/v ratio of organic solvent to biological sample will ensure a more complete precipitation. A 4:1 v/v ratio is recommended when using methanol.

† When used with a liquid-handling instrument or automation, aspirate/dispense cycles may be used to promote in-tip mixing and precipitation. This will ensure complete precipitation and filtration. Vortexing is not necessary when in-tip precipitation is performed.



Product Specifications

Impact Plates	
Recommended Organic Solvents	Acetonitrile Methanol
Recommended Biological Samples	Plasma Tissue homogenate
Maximum Biological Sample Volume	400 µL
Recommended Minimum Organic Solvent: Biological Sample Ratio	3:1 to 4:1 (v/v)
Maximum Total Combined Liquid Volume (Organic Solvent plus Biological Sample)	1.6 mL
Leak Resistant Time	Up to 25 minutes with no vacuum/pressure

Ordering Information

Part No.	Description	Unit/Box	Price	
Impact Precipitation Plates				
CE0-7565	Impact Protein Precipitation, Square Well, Filter Plate, 2 mL	2/Box		
Protein Starter Kit for Protein Precipitation				
CE0-8201	Impact Protein Precipitation Plate (2 ea) Collection Plate 2 mL (2 ea) Sealing Mat, Santoprene™ (2 ea)	2 ea		
Manifolds, C	ollection Plates and Sealing Mats			
AH0-8950	Strata® 96-Well Plate Manifold, Universal with Vacuum Gauge	ea		
AH0-7192	Strata 96-Well Collection Plate, 350 µL Conical Polypropylene	50/pk		
AH0-7193	Strata 96-Well Collection Plate, 1 mL Conical, Polypropylene	50/pk		
AH0-7194	Strata 96-Well Collection Plate, 2 mL Conical, Polypropylene	50/pk		
AH0-7279	Strata 96-Well Collection Plate, 1 mL Round, 7 mm, Polypropylene	50/pk		
AH0-8635	Strata 96-Well Collection Plate, 2 mL Square/Round-Conical, Polypropylene	50/pk		
AH0-8636	Strata 96-Well Collection Plate, 2 mL Round/Round, 8 mm, Polypropylene	50/pk		
AH0-8597	Sealing Mats, Pierceable, 96 Square Well, Silicone	50/pk		
AH0-8598	Sealing Mats, Pre-Slit, 96-Square Well, Silicone	50/pk		

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Disclaimer

Comparative separations may not be representative of all applications Phenomenex is in no way affiliated with Waters Corp. or Exxon Mobil Corp

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For any questions, assistance, or troubleshooting please contact your Sample Preparation Specialist at Phenomenex.

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guarante

If Impact does not perform as well or better than your current protein precipitation plate with similar specifications, send in your comparative data within 45 days and return the product for a FULL REFUND.

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Designed to Eliminate the Problems of Conventional Filter Plates

Leak-Free Protein Precipitation The oleophobic

filters of the Impact plates effectively hold organic solvent allowing the precipitation reaction to occur inside the plate. Unlike conventional protein precipitation plates, Impact will not leak solvent or sample until force is applied resulting in clean precipitation.



Versatility The unique Impact filters allow plasma and homogenized tissue samples to be precipitated using either acetonitrile or methanol.

Maximized Recovery Non-specific binding of analytes on the membrane surface leads to reduced analyte recovery. Impact has specially treated filters, which will not bind target analytes resulting in maximized recovery.

Better Throughput Impact allows for direct-in-plate precipitation, which reduces the amount of sample transfer steps. This means that solvent and sample can be combined directly in the well without the plate leaking leading to increased throughput.

High Recoveries of Acids, Bases and Neutrals



Absolute Recoveries of Spiked Plasma Samples (n=4)



Phenomenex Impact vs. *Waters[®] Sirocco[™]



Absolute Recovery of Analytes from Tissue Homogenate

Analyte	Phenomenex Impact	*Waters® Sirocco™
Diclofenac	71 %	46%
Naproxen	74%	48%
Amitriptyline	75%	51 %
Metoprolol	68%	49%
Acetaminophen	74%	47%
Prednisone	77%	54%

Phenomenex Impact

Waters[®] Sirocco™

Rapid Protein Precipitation without the Complications

No More Dirty Samples



No More Transfer Steps



No More
Long Waiting



Finally an Easier Solution for Protein Precipitation