

For your precious sample preservation

ProteoSave™



Product Lineup



Coated with a unique ultra-hydrophilic polymer which offers minimized protein denaturation and non-specific protein adsorption



Provides no eluted materials, heat- and cold-resistance, and chemical-resistance due to covalently bonded coating



Application example in analysis of small molecules —Comparison of Non-ionic small compounds with non-coated tube—



Centrifuge tube
15 mL & 50 mL



Micro tube
0.5 mL & 1.5 mL



Slim tube
0.5 mL & 1.5 mL

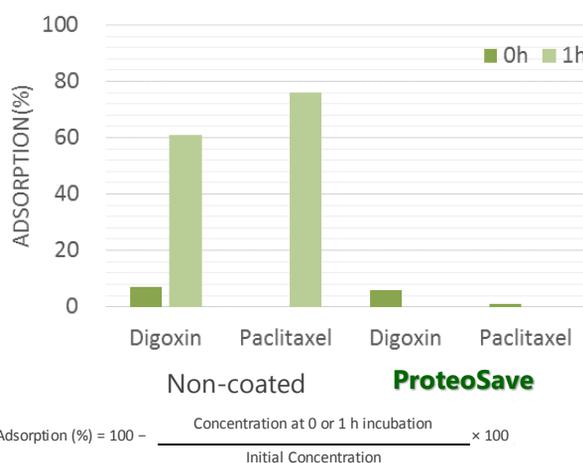


96-deep well plate



96-well flat & U
bottom plate

※ Provided by SEKISUI MEDICAL CO., LTD., JAPAN



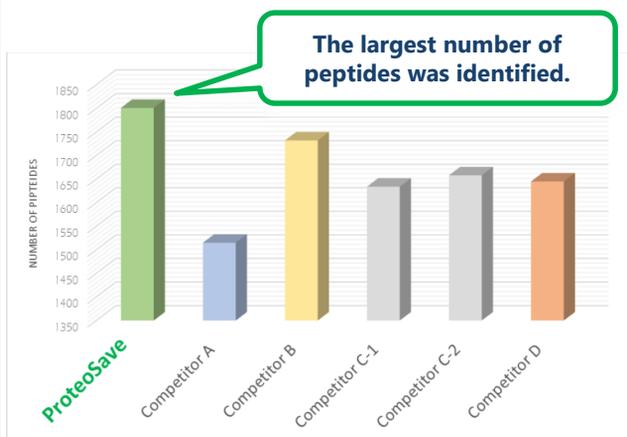
Experimental conditions

Vessel	ProteoSave™ 1.5 mL Microtube Non-coated 1.5 mL Microtube
Concentration	0.1 mg/mL
Sample	Non-ionic small molecule 1. Digoxin (Anti-anginal drug) 2. Paclitaxel (Anti-cancer drug)
Measurement	After 1 h incubation with non-ionic small molecule, determined the concentration with LC-MS/MS

Excellent suppression of highly hydrophobic small compounds

Application example in Proteomics Research —Comparison of the number of identified peptides with competitive products—

※ Provided by Dr. Masahiro Kamita, Ph.D, National Cancer Center Research Institute, JAPAN.



Experimental conditions

Vessel	ProteoSave™ 1.5 mL Microtube
Sample	5 competitive tubes
Quantity	Peptides derived from Hep3B 300 µg
Method	nanoLC-Ultra 2D with TripleTOF® 5600, AB SCIEX
Column	75 mm×150 mm, ChromXP C18-CL 3 µm 120 Å Ekisigent
Eluent	A: 0.1% FA and 1% ACN B: 0.1% FA and 99% ACN
Software	Mascot Server

Ordering Information

Cosmo Bio USA

Web: www.cosmobioussa.com

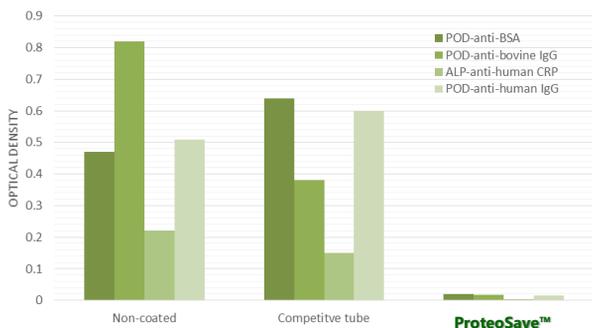
Phone: +1-760-431-4600

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Protein Adsorption to Vessel



Diluted enzyme-labeled antibody solutions from 0.1-0.8 mg/mL with phosphate buffer, and dispensed diluted the solutions into non-coated tube, competitive tube and ProteoSave™. After 1 h incubation at 37 °C, washed by phosphate buffer, then the amount of adsorbed enzyme-labeled antibodies was measured by microplate reader.

Chemical, Heat and Cold Resistant

Organic solvent	10% 5 hr	Surfactant	0.1%
Methanol	✓	CHAPS	✓
Ethanol	✓	Triton X-100	✓
2-propanol	✓	Tween 20	✓
Glycerol	✓	SDS	✓
Acetonitrile	✓		
Acetone	✓		
DMSO	✓		
2-mercaptoethanol	✓		
		Heat resistant	Cold resistant
		100 °C (10 min)	-80°C (3 months)

Cat. No	Product	Material	Note	Qty/ Pk	Qty/ Cs
SBC-MS-4205MZ	ProteoSave™ 0.5 mL Microtube	Polypropylene	Non-sterilized	100	500
SBC-MS-4255MZ	ProteoSave™ 0.5 mL Microtube (Sterilized)	Polypropylene	Radiation sterilized	100	500
SBC-MS-4215MZ	ProteoSave™ 1.5 mL Microtube	Polypropylene	Non-sterilized	100	500
SBC-MS-4265MZ	ProteoSave™ 1.5 mL Microtube (Sterilized)	Polypropylene	Radiation sterilized	100	500
SBC-MS-4220MZ	ProteoSave™ 2 mL Microtube	Polypropylene	Non-sterilized	100	500
SBC-MS-4270MZ	ProteoSave™ 2 mL Microtube (Sterilized)	Polypropylene	Radiation sterilized	100	500
SBC-MS-4201XZ	ProteoSave™ 0.5 mL Slimtube	Polypropylene	Non-sterilized	50	500
SBC-MS-4202XZ	ProteoSave™ 2 mL Slimtube	Polypropylene	Non-sterilized	50	500
SBC-MS-8296FZ	ProteoSave™ 96-wells, Flat Plate	Polystyrene	Non-sterilized	5	50
SBC-MS-8296KZ	ProteoSave™ 96-wells, Black, Flat Plate	Polystyrene	Non-sterilized	5	50
SBC-MS-8296VZ	ProteoSave™ 96-wells, V Plate	Polypropylene	Non-sterilized	5	20
SBC-MS-8296Z2	ProteoSave™ 96-deep wells, V Plate, 2mL	Polypropylene	Non-sterilized	3	45
SBC-MS-3296UZ	ProteoSave™ 96-wells, U Plate	Polystyrene	Non-sterilized	5	50
SBC-MS-8384VZ	ProteoSave™ 384-wells, U Plate	Polypropylene	Non-sterilized	5	50
SBC-MS-52150Z	ProteoSave™ 15 mL Conical Tube	PET	Non-sterilized	5	100
MSBC-S-52550Z	ProteoSave™ 50 mL Conical Tube (Sterilized)	Polypropylene	Radiation sterilized	5	100

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