

101Bio SDS-Remover

Cat. #: P5W12 (10 ml)

Shipping and Storage: Ship at ambient temperature and stored at RT.

Shelf Life: 12 months

Product Description:

Sodium dodecyl sulfate (SDS) is one of the most commonly used detergents for biological research. However, the presence of SDS in the sample could interfere with downstream applications. For instance, SDS must be reduced to below certain concentration before trypsin digestion of protein can be performed effectively. The presence of SDS in protein sample could interfere with mass/MS analysis and needs to be removed prior to the analysis. The presence of SDS in protein samples also interferes with antigen-antibody binding and has a negative impact for experiments such as immunoprecipitation and ELISA. This proprietary formulated reagent is designed for easy and rapid removal of SDS in solution by precipitation. The efficacy is superior to SDS-removal column and TCA precipitation with minimum protein loss (<20%). Due to small volume of SDS-Remover used, the final protein concentration of the sample is not significantly impacted.

This product is for research use only.

Product Contents (store at RT)

Component	Amount
101Bio SDS-Remover	10 ml

Protocol:

1. Pre-chill SDS-Remover on ice. Add 1 volume SDS-Remover to 5 volume SDS-containing solution in a test tube (for example, add 100 µl to 500 µl SDS-containing protein solution).
2. Cap the tube, vortex briefly and invert a few times to mix well. Centrifuge at 14,000 X g for 5 minutes at RT. Save supernatant (SDS-removed protein) and discard the white-grey colored precipitate (SDS) at the bottom of the tube.

Related products

Cat.#	Kit Name	Application	Protein Status	Minute
P501	Total protein kit	cells → total protein	denatured / native	1 ~ 8
P502	Total protein kit	tissues → total protein	denatured / native	1 ~ 8
P503	Membrane protein kit	cells / tissues → membrane protein	native , detergent-free	20 ~ 45
P504	Nuclear protein kit	cells / tissues → nuclear & cytosol protein	native	6 ~ 8
P505	Detergent-free kit	cells → total protein	denatured / native	5 ~ 8
P506	Detergent-free kit	Tissues → total protein	denatured / native	5 ~ 8
P507	Mitochondria kit	cells / tissues → mitochondria	native, detergent-free	25 ~ 30
P508	Plant total protein	plant tissues → total protein	denatured/native	5 ~ 8
P510	Plant detergent-free	plant tissues → total protein	native	6 ~ 8

P511	Plant chloroplast kit	plant tissues	➡	intact chloroplast		5
P518	Plant Microsomal Membrane	plant tissues	➡	microsomal membrane	native	1 hr
P512	Bacteria total protein	bacteria	➡	total protein	denatured	2 ~ 3
P513	Nuclear envelope kit	cells	➡	nuclear envelope	native	< 45
P514	Histone/DNA binding protein	cells	➡	histone & dna binding protein	denatured	< 10
P515	Thick cell wall microbes	microbes	➡	total protein	denatured / native	< 10
P516	Detergent-free thick cell wall	microbes	➡	total protein	denatured / native	10
P517	Yeast Mitochondria	yeast	➡	mitochondria	native	60
P518	Plant Microsomal Membrane	plant	➡	microsomal membrane	native	60
P519	Gel slice recovery kit	PAGE gel	➡	protein	denatured / native	10 ~ 20
P521	Hair & nail protein kit	hair, nail	➡	protein	denatured	5 min. hands on
P522	Adipose protein kit	adipose	➡	total protein	denatured / native	20
P523	Adipose fractionation	adipose	➡	water soluble/insoluble protein	native	40
P524	Nuclei isolation kit	cells / tissues	➡	intact nuclei	native, detergent-free	20
P525	FFPE protein kit	FFPE tissues	➡	protein	denatured	60
P528	Endosome isolation kit	cells / tissues	➡	endosome	denatured	20 min. hands on
P529	Adipose nuclei isolation kit	adipose tissues	➡	nuclei & cytosol	native	30

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