

RIPA Buffer

Product	Con.	Cat#	Size
RIPA Buffer	1X	IBS-BR002	500ml
	5X	IBS-BR004	100ml
	2X	IBS-BR009	100ml

Components : 1X RIPA Buffer Tris-HCl pH 7.5 50mM, SDS 0.1%, Triton X-100 1%, NaCl 150mM, Sodium deoxycholate 0.5%, EDTA 2mM

Storage Conditions : Cold or Room Temperature

Introduction : RIPA buffer is one of the most reliable buffers used to lyse cultured mammalian cells from both plated cells and cells pelleted from suspension cultures. This buffer enables protein extraction from cytoplasmic, membrane and nuclear proteins and is compatible with many applications, including reporter assays, protein assays, immunoassays and protein purification.

RIPA buffer contains the ionic detergent sodium deoxycholate as an active constituent and is particularly used for nuclear membrane disruption for nuclear extracts. A RIPA buffer gives low background but can denature kinases. It can also disrupt protein-protein interactions (and may therefore be problematic for immunoprecipitations/pull down assays).

Important Product Information :

* RIPA Buffer does not contain protease or phosphatase inhibitors. If desired, add protease inhibitors, such as Protease Inhibitor Cocktail and Phosphatase Inhibitor Cocktail to the reagent to prevent proteolysis and maintain phosphorylation status of proteins. Add protease and phosphatase inhibitors immediately before use.

* Some protein kinases and other enzymes may be sensitive to the components of the RIPA Buffer, resulting in their decreased activity. In such cases, prepare a RIPA buffer that does not contain sodium deoxycholate and SDS.

Related Products

BT005 10X TBS
BT007 10X TBS with Tween-20
BS018 Stripping Buffer
BW005 Western Blocking Buffer
BT029 10X Tris-Glycine w/o SDS