

Product Datasheet

Ripa Lysis Buffer (orb348556)

Description

Ripa Lysis Buffer

Conjugation

Unconjugated

Preservatives

0.01% (w/v) Sodium Azide

Form/Appearance

Liquid (sterile filtered)

Concentration

1X

Storage

Store container at room temperature (18° to 26° C) prior to opening. Protect from light (store in the dark).

Note

For research use only

Application notes

This product is ready-to-use as a working 1X solution and requires no further dilution. 1X RIPA Lysis Buffer is intended for the extraction of cellular proteins for the efficient lysis of cells and solubilization of protein, while minimizing protein degradation and maintaining protein immunoreactivity and biological activity. We recommend using 1.0 ml of RIPA Lysis Buffer to lyse 0.5 to 5 x 10⁷ adherent mammalian cells. This buffer contains ionic detergents and may not be suitable for kinase enzymes, if these enzymes are easily denatured. Do not add phosphatase inhibitors when preparing lysates for phosphatase assays. 1X RIPA lysis buffer consists of 50 mM Tris HCl, 150 mM NaCl, 1.0% (v/v) NP-40, 0.5% (w/v) Sodium Deoxycholate, 1.0 mM EDTA, 0.1% (w/v) SDS and 0.01% (w/v) sodium azide at a pH of 7.4. This buffer was meticulously prepared using ultra pure reagents dissolved in highly polished pharmaceutical grade deionized water. Protease and phosphatase inhibitors are recommended but not included in product composition. Recommended final concentrations of protease inhibitors: 1.0 mM Phenylmethylsulfonyl fluoride (PMSF) 10 µM Leupeptin 0.1 µM Aprotinin 1.0 µM Pepstatin Recommended final concentrations of phosphatase inhibitors: 1.0 mM Na₃VO₄ 1.0 mM NaF

Purity

1X RIPA Lysis Buffer was aseptically filtered through a Millipore 0.22 micron filter into clean, pre-sterilized containers. The product was tested on trypticase soy agar for 24 hours, 48 hours and 72 hours and was found to be negative for bacteria.

Hazard

Non-Toxic

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