ImmunoBioScience Corp. (IBSC) *DATA SHEET*

**RIPA 10X Lysis Buffer (RadioImmunoPrecipitation Assay (RIPA) 10X Buffer**

**Catalog number:** AR-6566-02 100 ml

AR-6566-04 500 ml

**Description:** RIPA buffer is a lysis buffer used to lyse cells and tissues for RadioImmunoPrecipitation assay (RIPA).This buffer in addition to Triton X100 contains ionic detergents SDS and sodium deoxycholate which dissolves nuclear membranes and it also contains EDTA and EGTA. It is a low background producing buffer that can denature kinases. This buffer is not suitable to disrupt protein: protein interaction***. Protease inhibitors e.g. PMSF, protease cocktail and phosphatase inhibitors cocktail should be added fresh to RIPA buffer***.

**Reagent:** Buffer 10X

**Storage:**  Room temperature.

*If store at 2-8oC, some sodium chloride will be precipitated, if this occurs, bring the buffer to room temperature and mix well till all sodium chloride is dissolved*.

**Preparation**: Dilute this 10X buffer 10 times (e.g. 90 ml of deionized or distilled water + 10 ml of this buffer), mix well, and store 1 X buffer solution at 2-8oC for several weeks.

**Application**: Lysis:

**Chill 1X buffer on ice add recommended PMSF, protease inhibitor cocktail and phosphatase inhibitor cocktail according to manufacture protocol.**

1. Adherent Cells: Wash cells with cold PBS to remove any traces of medium. Add 0.5 ml of 1X RIPA buffer/10 cm dish. Incubate plate on ice for 5 minutes.

Scrape cells, transfer into mirocentrifuge tube, sonicate briefly. Centrifuge extracts for 10 minutes at 14,000 X g in a cold mirocentrifuge, save supernatant.

1. Non-Adherent cells, wash cells pellet with cold PBS, centrifuge discard PBS, add approx. equal to cell pellet volume of RIPA buffer, sonicate briefly. Centrifuge extracts for 10 minutes at14,000 x g in cold mirocentrifuge, save supernatant.

*Sometimes the buffer may show yellowish tinge, this is due to preservative and will not affect the function of this buffer.*

**-----------------------------------------------------------------------------------------------------------------**

**Limitation and warranty:** Our warranty is limited to the actual price paid for the product. We are not liable for any property damage, personnel injury, time, effort or economic loss due to our product.

**MSDS:**  Avoid skin and eye contact with all laboratory products. Use appropriate laboratory gear, laboratory coat, gloves and safety glasses. Do not ingest any laboratory products. This product is not approved for administration in human or animals.

Immuno Automation buffer is a trade mark of ImmunoBioScience corp.

**“*In vitro* laboratory products for research”**

**For research use only; not for use in diagnostic procedures. FOR IN VITRO LABORATORY USE ONLY**

Phone: + 425 367 4601; Fax: + 425 367 4817; cell (mobile) phone: + 425 314 0199

Marketing phone: + 650 343 IBSC (4272); e-mail:anitaIBSC@aol.com

Web site: [www.immunobioscience.com](http://www.immunobiosci.com); E-mail: baderbo@gmail.com