1X RIPA Buffer, Biotechnology Grade

Cat. No.: BUF-5210-1X100ml

Concentration: Consists of 50 mM Tris pH 7.6, 150 mM NaCl, 1% NP-40, 0.5% Sodium Deoxycholate, 0.1% SDS at 1X concentration.

Storage: 2 - 8°C.

1.0 PROTOCOL

1.1 Adherent Cells

1.1.1 Decant culture media from cultured cells.
1.1.2 Wash cells twice with cold D-PBS.
1.1.3 Add 1ml cold RIPA Buffer per 5.0 x 10^6 cell concentration. Swirl for 5 minutes on ice, to allow even distribution.
1.1.4 Using a cell scraper, scrape the cells and transfer the lysate to a microcentrifuge tube.
1.1.5 Centrifuge samples at 10,000 x *g* for 10 minutes at 4°C.
1.1.6 Transfer supernatant to a new microcentrifuge tube for further analysis.

1.2 Suspension cells

1.2.1 Decant culture media from cultured cells.
1.2.2 Wash cells twice with cold D-PBS.
1.2.3 Add 1ml cold RIPA Buffer per 40mg (5.0 x 10^6 cell concentration) of wet cell pellet. Pipette the mix up and down to suspend the pellet.
1.2.4 Incubate the samples for 15 minutes on ice.
1.2.5 Transfer lysate to a new microcentrifuge tube.
1.2.6 Centrifuge at 10,000 x *g* for 10 minutes at 4°C.
1.2.7 Transfer supernatant to a new microcentrifuge tube for further analysis.

2.0 MISCELLANEOUS

2.1 If necessary, add protease and phosphatase inhibitors to RIPA Buffer before use.
2.2 For Research Use Only. Not for diagnostic, household or other uses.