

## Preparation of Cell Lysates for shipment to ORB

*Note : Please Read the Manual Accompanying the Trizol Reagent Carefully. These protocols are adapted from that manual.*

*Note: Expand volume accordingly for larger plates*

### **ADHERENT CELLS**

- 1 Wash 35 mM plates of cells 1X with ice-cold PBS buffer.
- 2 Pipette 1 ml of Trizol (Invitrogen, part# 15596-026, 100 ml, \$129.00) on to the plate and wash back and forth across the plate
- 3 Pipette the cell lysate up and down about 10X, washing the lysate across the plate to remove any residual material
- 4 Transfer homogenate to a microfuge tube at room temperature.
- 5 Freeze tubes on dry ice.

### **SUSPENSION CELLS**

- 1 Transfer media containing 2-20 million cells to a polypropylene centrifuge tube.
- 2 Pellet cells at 400g for 5 minutes at 4C in a clinical centrifuge. Carefully remove media and save pellet.
- 3 Pipette 1 ml of Trizol (Invitrogen, part# 15596-026, 100 ml, \$129.00) in to the tube containing cells pellet.
- 4 Pipette the cell lysate up and down about 10X with a Rnase-free pasteur pipette (baked) or a 2.0 ml sterile plastic pipette.
- 5 Transfer homogenate to a microfuge tube at room temperature.
- 6 Freeze tubes on dry ice.