

ANTIGENIX AMERCIA Inc.

Super-X Plex™ Flow Cytometry Assay

Product Information Summary

Cell Lysate Prep Buffer Cat No. CLP200
5.0 mL (10X)

DESCRIPTION: Flow Cytometry Assay component designed for preparation tissue or cell lysate samples (Universal Species) in the ANTIGENIX **Super-X Plex™** assay.

NOTE: Order the ANTIGENIX Sample Diluent Kits to match sample species and type - as a separate item.

Thaw the Lysate Prep Buffer on ice prior to use.

Mix 5 mL of the 10X Lysate Buffer with 45 mL double distilled water (1:10)

NOTE: Additional protease Inhibitors (ie., PMSF) can be added at final concentration of 1mM before use.

Lysate Prep from Adherent Cells:

1. Grow and treat cells under experimental conditions.
2. Aspirate culture medium, and WASH once with cold PBS
3. Add 200 uL of ice cold Lysate Prep Buffer per well in 24-well plate, and pipette up/down 10 times.
4. Incubate on ice for 5 minutes and centrifuge extract @ 14,000g (10 min) @ 4 Deg. C.
5. Collect Supernatant fraction for the ANTIGENIX flow cytometry assay.

Lysate Prep from NON- Adherent Cells:

1. Grow and treat cells under experimental conditions.
2. Pellet cells by centrifugation 300g, 5 min. @ 4 Deg. C. And wash with Cold PBS (1X)
3. Add 500 uL cold Lysate Prep Buffer per 10⁷ cells, and Pipette up/down 10 times.
4. Incubate on ice 5 min., Centrifuge extract @ 14,000g for 10 minutes @ 4 Deg. C..
5. Collect Supernatant fraction for use on ANTIGENIX assay.

Tissue Lysate Preparation

1. Add 500 uL of cold Lysate Prep Buffer per 100 mg tissue.
2. Homogenize @ 4 deg. C. with tissue homogenizer (ie., Qiagen Tissue-Lyser)
3. Incubate on ice 5 min; Centrifuge Extract @ 14,000g 10 min @ 4 Deg. C.
4. Collect Supernatant fraction for use in ANTIGENIX assay.

NOTE: If measurement of protein Concentration of Lysate is needed- Use the Lowry Protein Assay as the ANTIGENIX Lysate Prep Buffer contains Triton X-100 reagent.

See Protocol provided with kit ordered for directions of use.

STORAGE: Store Frozen @ -20° C.

RESEARCH USE ONLY

NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE.

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