® •ZmTech Integrate-cell Dissociation Solution (Cat. D207030)

Product Information:

Contents: Integrate-Cell Dissociation Medium

Catalog Number: D207030

Sizes: 50 ml (1x)

Formulation: Supplied in Dulbecco's PBS without phenol red, pH 7.5

Storage Conditions: Store at -20°C

Description: ZmTech Integrate-cell Dissociation Solution suitable to detach cells from various surfaces for analysis of cell migration, cell transformation, cell proliferation, cell surface markers, and other cell growth assays as well as used for routine cell passage. For research use only, not for diagnostic or therapeutic use.

Features and Benefits:

1. Non-enzymatic/protease dissociation solution, no mammalian and bacterial derived products.
2. Endotoxin Tested, Sterile Filtered, PBS Based, 1x ready-to-use product.
3. Gently dislodges cell from each other and from attached surfaces, without modifying cellular proteins or cell membranes, significantly reduces the risk of cell damages associated with protein digestive enzymes (Trypsin-EDTA).
4. Maximally retains cell polygonal morphology and normal, irregular growth shapes, suitable for immunological or physiological assays, flow cytometry assays and cell passages.

Procedure:

1. Thaw ZmTech Integrate-cell Dissociation Solution at 37°C or room temperature.
2. Wash dish, plate or flask with 1x sterile PBS without Ca++ and Mg++ to remove all traces of serum. Aspiration liquids.
3. Add enough ZmTech Integrate-cell Dissociation Solution into culture dish, plate or flask using aseptic procedures to completely cover the monolayer of cells and place in 37°C incubator for approximately 2 minutes. Monitor the cell detachment progress under a phase contrast microscope.

   (Note: The time required to remove cells from the culture surface is dependent on cell type, population density, serum concentration in the growth medium. The exposure time may be up to 30 minutes. It is advisable to further dilute the dissociation solution to 1/2 or 1/3 with 1x sterile PBS without phenol red / Mg++ / Ca++ if the suspension cells appear rounds.)
4. Count cells and passage as usual by adding serum or medium containing serum to the cell suspension; no additional washes or enzyme inhibitors are required.