CREATIVE BIOMART®
Assay Kit

3D Cell Culture Non-Enzymatic Cell Harvesting Kit

Product Information

Cat

Kit-2371

Cat.No. Kit-2371

Product Overview

Three dimensional (3D) cell cultures are artificially-created environments in which cells are permitted to grow or interact with their surroundings in a 3D fashion. 3D cell cultures improve the function, differentiation and viability of cells and recapitulate in vivo microenvironment compared to conventional 2D cell cultures.3D matrices provide a physiologically relevant screening platform, by mimicking the in vivo responses, for many cell types including cancer and stem cells in developmental morphogenesis, pharmacology, drug metabolism and drug toxicity studies. However, when it comes to cell passaging, or studying biochemical processes and protein analysis, there are challenges with separating intact cells from extra-cellular proteins comprising the 3D matrices.While proteases (such as trypsin and accutase) are commonly used to degrade these matrices, it is not recommended in some cases where cells are sensitive to protease digestion;these proteases may modify cellular proteins and signaling or cell surface, thus altering physiological assessments.Further, some proteases-based dissociation methods do not completely dissolve the matrices. 3D Culture Non-Enzymatic Cell Harvesting Kit provides an optimized and standardized saline-based solution for the isolation of cells and spheroids from matrices (especially for 3D Cell Culture Kits: K517, 518, 519) with high viability rate for subsequent biochemical, protein and cell-based analysis.

Applications

Matrix and Cell/Spheroid DissociationsCell-harvesting for usage in cell-based assay, biochemical, and protein analysisRecommended for experiment where cells are sensitive to protease digestion.

Storage

-20°C

Shipping

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Assay Kit

3D Cell Culture Non-Enzymatic Cell Harvesting Kit

Gel Pack

Size

100 samples

Kit Components

Matrix Dissociation Saline Solution; Neutralization

Detection method Qualitative

Features & Benefits

Easy, Fast, Reproducible, Qualitative tool for screening, studying, and characterizing compounds in cell culture studies; Recommended for experiment where cells are sensitive to protease digestion

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