CREATIVE BIOMART®
Assay Kit

3D Cell Culture Ready-to-Use Scaffold Complete Kit

Product Information

Cat

Kit-2383

Cat.No. Kit-2383

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 culture environments improve the function, differentiation and viability of cells and recapitulate in vivo microenvironment compared to conventional 2D cell culture experiments.3D matrices and scaffolds 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. offers 3D cell culture kits, including Basement Membrane Matrix (BME, animal-based), Alginate Hydrogel (plant-based), proprietary Duo-Matrix and dry Scaffold (natural polymers, animal-free) to meet the needs and requirements of various research fields.3D Cell Culture Ready-to-Use Scaffold Complete Kit provides astandardized, and adaptable to high-throughput strategy microplate containingproprietary 3D scaffolds for setting up spheroid formations, 3D cell cultures, pharmacological studies, with an optimized scaffold dissociation method for subsequent biochemical or protein analysis.

Applications

Spheroid Formation Assays

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

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Kit Components
Scaffold Dissociation Solution (enzyme-free); Neutralization Buffer; Ready-to-Use Scaffolds (96-well plate)
Target Species
Mammalian
Detection method Qualitative
Features & Benefits
Reproducible, Qualitative tool for screening, studying, and characterizing compounds in cell culture studies

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