CREATIVE BIOMART®
Assay Kit

3D Cell Culture Matrix Alginate Hydrogel Kit

Product Information

Cat

Kit-2407

Cat.No. Kit-2407

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. offers 3D cell culture matrices, including Basement Membrane Matrix (animal-based), Alginate Hydrogel (plant-based) and proprietary Duo-Matrix Mix, to meet the needs and requirements of various research fields.3D Culture Matrix Kits provide a standardized, yet user friendly and adaptable to high-throughput strategy for setting up spheroid formations, 3D cell cultures and pharmacological studies.

Applications

Spheroid Formation Assays

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Alginate Hydrogel Matrix; Cross-linking Solution; Wash Buffer

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Detection method Qualitative

Features & Benefits

Reproducible, Qualitative tool for screening, studying, and characterizing compounds in cell culture studies

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