

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

Cat. No. Kit-2383 **Lot. No.** (See product label)

SPECIFICATION

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 a standardized, and adaptable to high-throughput strategy microplate containing proprietary 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
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Storage	-20°C
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Shipping	Gel Pack
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Size	100 assays
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 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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