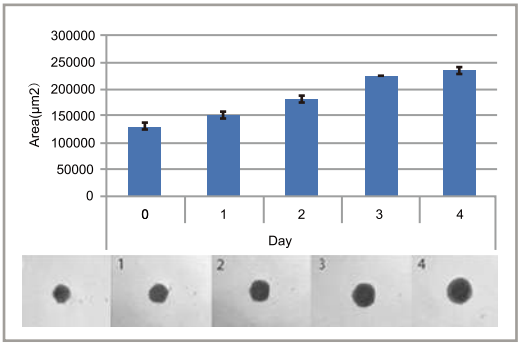
Cancer Cell Assays

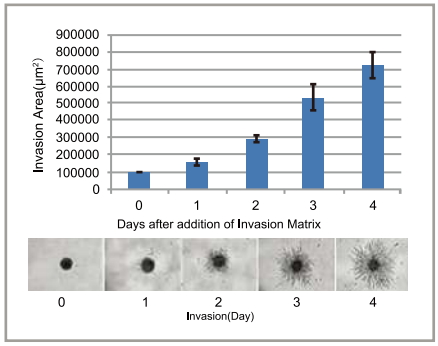
R&D SYSTEMS
a bio-techne brand

3D Spheroid Invation Assay

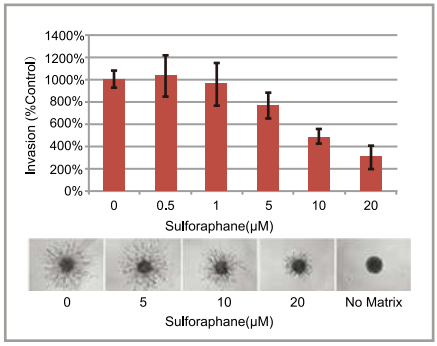
PRODUCT NAME	CATALOG #
Cultrex® 3-D Spheroid Cell Invasion Assay	3500-096-K
10×Speroid formation Matrix	#3500-096-01
10×Speroid Invasion Matrix	#3500-096-03



3-D culture proliferation of MDA-MB-231 breast cancer spheroids (using Cultrex 3-D Spheroid Proliferation/Viability Assay) time lapse expansion of MDA-MB-231 spheroids over a 96 hour period.



Spheroid invasion by MDA-MB-231 breast cancer spheroids over a 96 hour period.



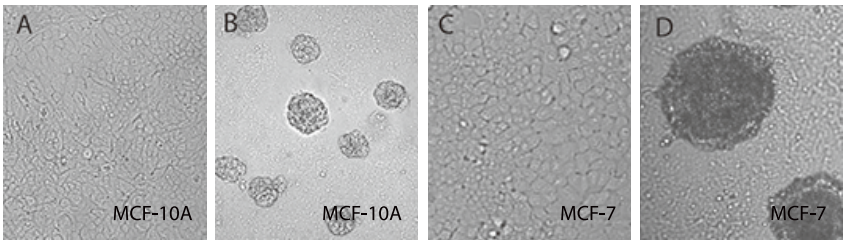
Inhibition of spheroid invasion by MDA-MB-231 breast cancer spheroids by Sulforaphane over a 96 hour period.

STEP	TIME
Resupend cells Spheroid Formuation ECM and add to96 Well Spheroid Formation Plate	1~2 hour
Cells assemble into compact spheroids	3 days
Add Invassion Matrix and medium comtaining chemoattractants and or invasion modulating compounds	1~2 hour
Cell invade into the surrounding matrix in Response to chemoattractants	3-6 days

Total Time: 6-9 days

ImageJ analysis of spheroid invadabrachia.

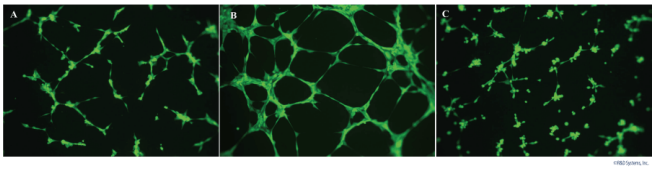
3-D Morphology



Morphology of MCF-10A normal mammary epithelial cells in traditional 2-D (A) and 3-D BME (B) cell culture and MCF-7 mammary adenocarcinoma cells in traditional 2-D (C) and 3-D BME (D) cell culture, scale = 250 μm.

In Vitro Angiogenesis Assay (Tube Formation Assay)

The tube formation kit contains all the components necessary to perform the assay, including Growth Factor Reduced Basement Membrane Extract (BME), Calcein AM, Cell Staining Solution, and Sulforaphane.



Description	Size	Detection	Catalog No.
Cultrex In Vitro Angiogenesis Assay Tube Formation Kit	96 Tests	Fluorometric/ Phase Contrast	3470-096-K

Note: Positive controls are available seperately. Please refer to the Instructions for Use manual with kit.

웅비메디텍 (주)웅비메디텍 | 학술팀 | 전화 : 02-881-5432 | FAX : 02-881-5454