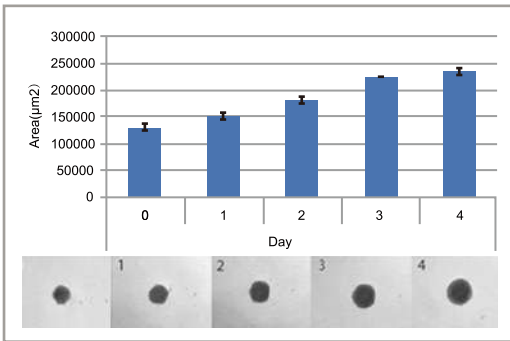


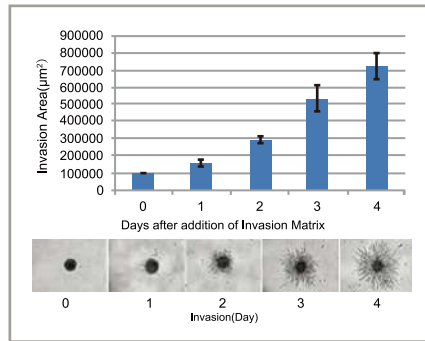
Cancer Cell Assays

3D Spheroid Invasion Assay

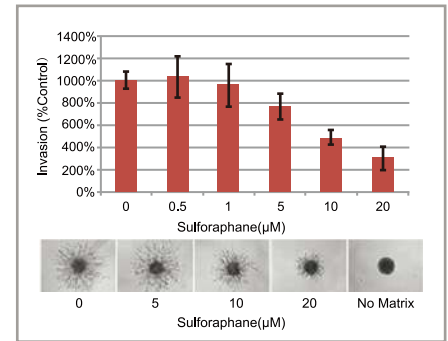
PRODUCT NAME	CATALOG #
Cultrex® 3-D Spheroid Cell Invasion Assay	3500-096-K
10×Spheroid Information Matrix	#3500-096-01
10×Spheroid Invasion Matrix	#3500-096-03



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.

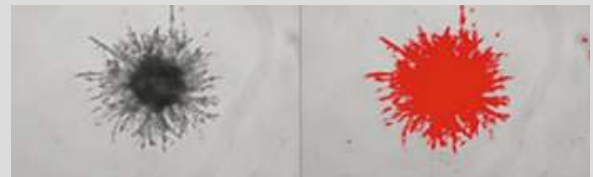
STEP

- Resuspend cells Spheroid Formation ECM and add to 96 Well Spheroid Formation Plate
- Cells assemble into compact spheroids
- Add Invasion Matrix and medium containing chemoattractants and or invasion modulating compounds
- Cell invade into the surrounding matrix in Response to chemoattractants

Total Time: 6-9 days

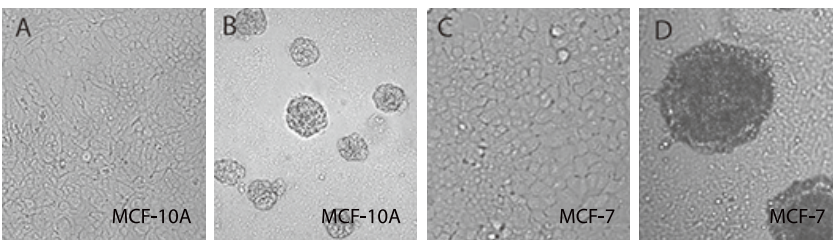
TIME

- 1~2 hour
- 3 days
- 1~2 hour
- 3-6 days



ImageJ analysis of spheroid invasion into a matrix.

3-D Morphology

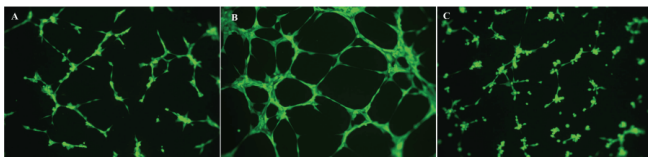


Morphology of MCF-10A normal mammary epithelial cells in traditional 2-D (A) and 3-D BME (B) cell culture and MCF-7 mammary adenocarcinoma cells in traditional 2-D (C) and 3-D BME (D) cell culture, scale = 250 μm.



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 separately. Please refer to the Instructions for Use manual with kit.