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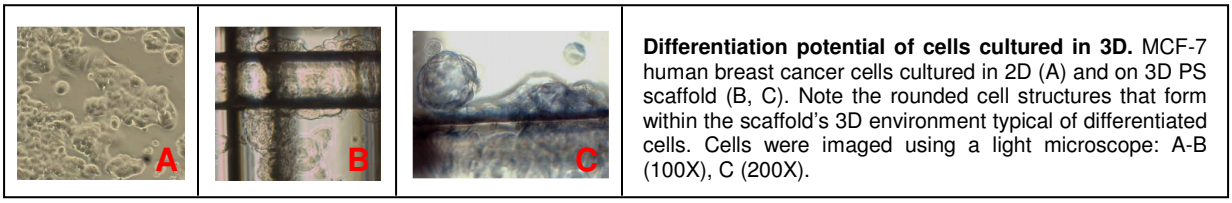
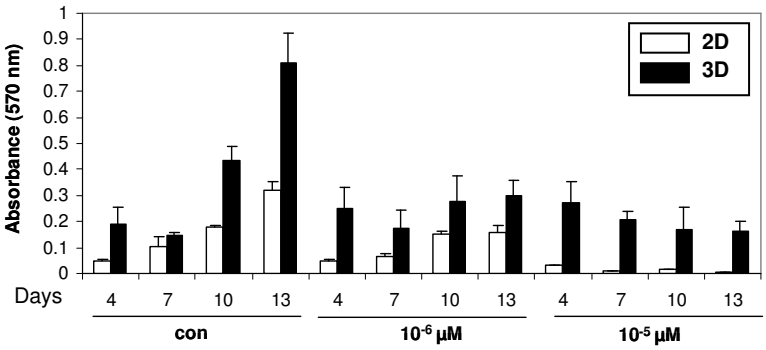
IN-VITRO TUMOR MODELS: 3D Insert™-PS scaffolds are ideal for *in vitro* 3D tumor tissue culture and drug interaction studies

Breast Cancer Cells

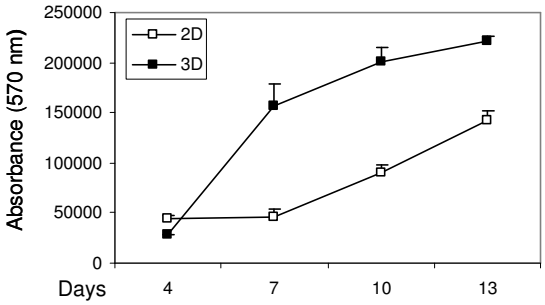


Differentiation potential of cells cultured in 3D. MCF-7 human breast cancer cells cultured in 2D (A) and on 3D PS scaffold (B, C). Note the rounded cell structures that form within the scaffold's 3D environment typical of differentiated cells. Cells were imaged using a light microscope: A-B (100X), C (200X).

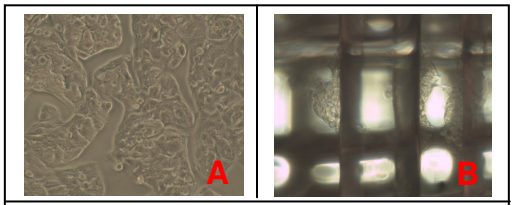


Effects of tamoxifen on MCF-7 cells grown in 2D and 3D. MCF-7 human breast cancer cells were treated with the indicated concentrations of tamoxifen. Cell viability after tamoxifen treatment was measured by MTT assay.

Hepatocarcinoma Cells



Enhanced viability of HepG2 cells on 3D. Human HepG2 carcinoma cells were cultured in 2D and on 3D PS scaffolds. Viability was measured by MTT assay.



Hepatocytes form 3D aggregates. Human HepG2 carcinoma cells were cultured in 2D (A) and on 3D PS scaffolds (B). Cells were imaged on day 1 using a light microscope (100X)

For more information, please visit us at
http://www.3DBiotek.com