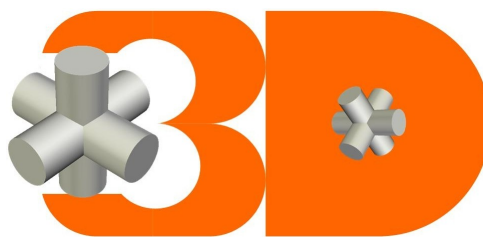
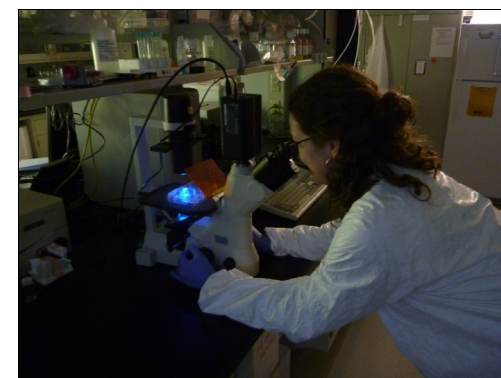


Use our extensive experience with 2D and 3D assays to your advantage. 3D Biotek features, but is not limited to, the following:

2D and 3D Proliferation/ Metabolic Assays	<ul style="list-style-type: none"> ◆ DNA fluorescent detection ◆ MTT ◆ Alamar Blue ◆ Neutral Red
3D Cell-Drug Interactions	<ul style="list-style-type: none"> ◆ 2D and 3D Toxicity Assays ◆ Multiplexing Assays ◆ ADME/Tox
2D and 3D Stem Cell Differentiation/Characterization Assays	
Light and Fluorescent Microscopy	

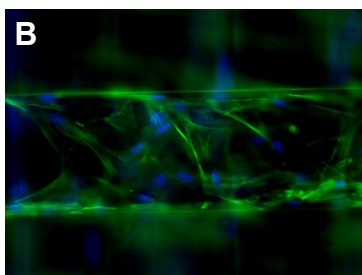
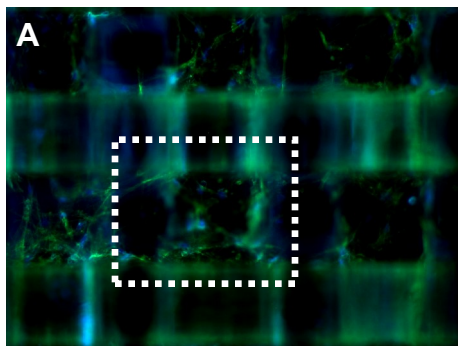


*Discover what 3D can do
for YOU!*



Contract Lab Services

We Make It Even Easier!



Adult human fibroblasts proliferate and extend across scaffold pores as dense cell sheets. Immunofluorescence was performed at Day 5. Cells within scaffolds were imaged using an inverted fluorescent microscope. Green: F-actin, Blue: DAPI, 100x (A), 200x (B).

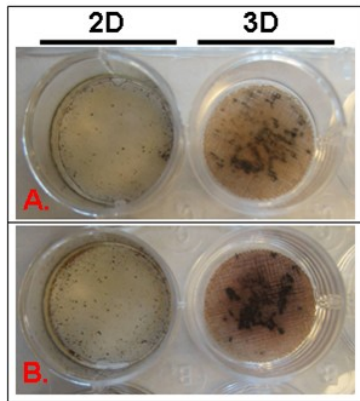


For a list of currently available products from 3D Biotek, please visit our online store at

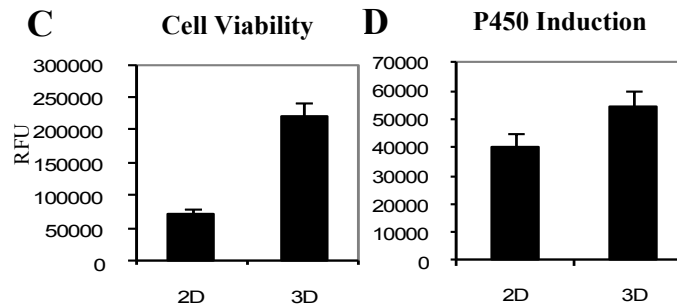
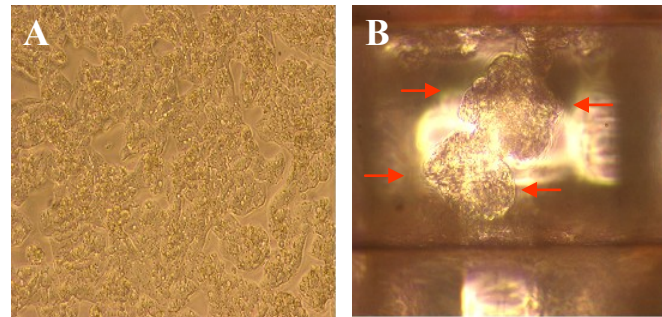
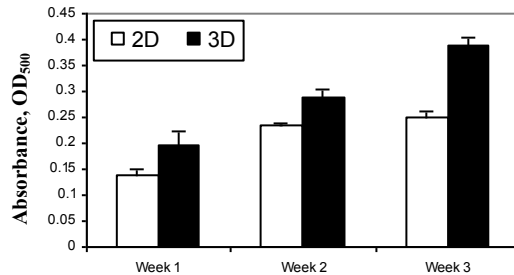
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Should you need assistance in selecting the best product for your needs, please do not hesitate to contact us. We welcome any inquiries.

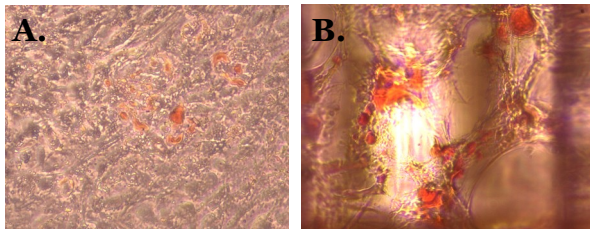
Let 3D Biotek Help You Achieve Your Goals!



Superior osteoblastic differentiation on 3D Insert™-PS scaffolds! Following osteoblastic induction, cells were stained by Von Kossa assay at days 14 (A) and 21 (B). 7F2 mouse osteoblastic cells on 3D Insert™-PS scaffolds showed more mineralized nodule formation compared with cells in 2D TCP.



Superior results from HepG2 cells cultured on 3D Insert™-PS scaffolds! Equal numbers of HepG2 cells were seeded on 2D 96-well plates and on 96-well 3D Insert™-PS scaffolds. HepG2 cells on 3D Insert™-PS form 3D aggregates (B) whereas 2D HepG2 cells form only a monolayer (A). After 24 h, cells were treated with 10 μ m Rifampicin and Vehicle (0.1% DMSO) for 72 h and assayed for cell viability (C) and P450 induction (D). After Rifampicin treatment, 3D HepG2 cells are more resistant to toxic effects and have higher P450 induction compared with cells cultured in 2D.



Faster adipocytic differentiation with 3D Insert™ scaffolds! Following adipogenic induction, differentiating 2D (A) and 3D (B) hMSCs were assayed with Oil-Red-O (100x).

It is well known that 2D *in vitro* cell culture systems do not accurately represent *in vivo* environments. For example, *in vivo* cancer cells are much more resistant to anti-cancer therapeutic reagents than those cultured in 2D. Therefore, to speed up your drug discovery process and to improve your screening efficiency and success rate, you need an appropriate 3D *in vitro* model system. Now 3D Biotek can help!

3D Biotek offers unique **3D Insert™ scaffolds** that can be used to create superior *in vitro* 3D models for your drug discovery research. In addition, for your convenience, we provide contract lab services to suit many of your research needs.

See the Difference 3D Can Make!

Human cells are easily cultured on 3D Insert™ scaffolds. For an up-to-date list of cells cultured on our scaffolds, please go to our website at www.3DBiotek.com.

- HepG2
- MCF-10A
- Fibroblasts
- Keratinocytes
- Stem Cells

