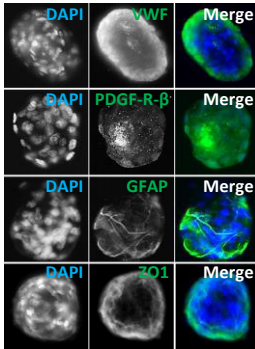


Advance Your Research with ScienCell's 3D Models

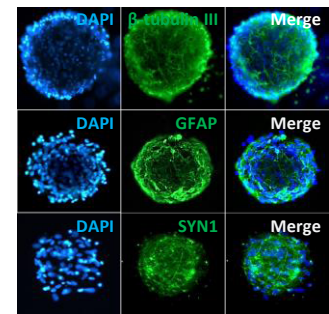
3D Brain Models

3D Blood Brain Barrier (BBB) Model



Primary **HUVEC, human brain vascular pericytes, and astrocytes** are co-cultured to recapitulate the intracellular interactions at the BBB (Cat. #SP3D-8738 & #3D-8738).

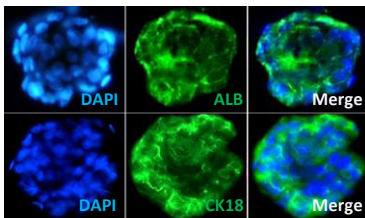
3D Cerebral Cortical Model



Primary **neurons and astrocytes** maintain direct cell-cell interactions and form functional synapses throughout the spheroids (Cat. #SP3D-1520 & #3D-1520).

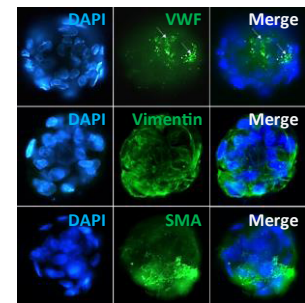
3D Liver Models

3D Liver Fibrosis Model



Primary **human hepatocytes and hepatic stellate cells** are co-cultured to study cellular crosstalk in the liver or to better maintain hepatocyte function (Cat. #SP3D-5300).

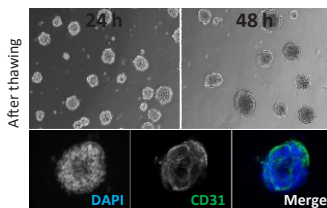
3D Liver Fibrogenesis-Angiogenesis Model



Primary **human hepatic stellate-endothelial cell** co-culture spheroids can be used to investigate the link between fibrosis and angiogenesis (Cat. #SP3D-5000 & #3D-5000).

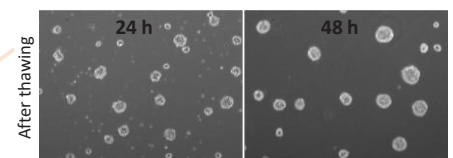
3D Bone Models

3D Osteogenesis-Angiogenesis Coupling Spheroid



Primary **human osteoblasts and endothelial cells** are co-cultured to mimic complex cellular interactions in bone tissue (Cat. #SP3D-8748 & #3D-8748).

3D Osteoblast Spheroid



Osteoblasts grown in ScienCell's 3D culture maintain their functionality and have elevated expression levels of osteogenic genes (Cat. #SP3D-4650 & #3D-4650).



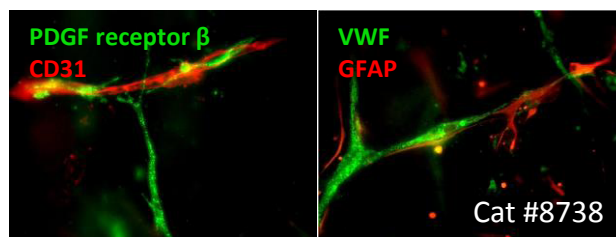
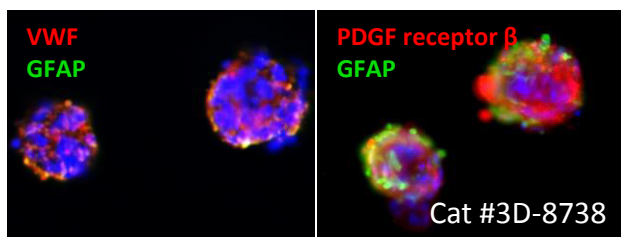
ScienCell's 3D Cell Culture Products

Key Features

- ✓ **Innovative:** We are the only company to offer Ready-To-Use Spheroids.
- ✓ **Simple:** No experience in 3D cell culture needed.
- ✓ **Uniform:** Hundreds of 3D spheroids develop uniformly in each well, enhancing the accuracy of the data.
- ✓ **Functional:** 3D cell cultures provide more relevant and advanced microenvironments.

3D Spheroids Using Primary Cells

		Ready-To-Use	All-Inclusive
	Product Name	Cat #	Cat #
Brain	3D Blood Brain Barrier Spheroids Includes primary HUVECs, human brain vascular pericytes and astrocytes	SP3D-8738	3D-8738
	3D Cerebral Cortical Spheroids Co-cultures of primary human neurons and astrocytes	SP3D-1520	3D-1520
Liver	3D Hepatocyte-Stellate Cell Spheroids Ideal for studying liver function and diseases such as liver fibrosis	SP3D-5300	N/A
	3D Hepatic Stellate-Endothelial Cell Spheroids Designed for studying liver fibrogenesis and angiogenesis	SP3D-5000	3D-5000
Lung	3D Pulmonary Alveolar Epithelial Cell Spheroids Excellent model for examining alveolar maintenance and repair	SP3D-3200	N/A
Skeletal	3D Osteogenesis-Angiogenesis Coupling Spheroids Designed for unraveling the molecular crosstalk between angiogenesis and osteogenesis	SP3D-8748	3D-8748
	3D Osteoblast Spheroids Advanced model for studying the function of osteoblasts	SP3D-4650	3D-4650
	3D Chondrocyte Spheroids Ideal for studying chondrocyte physiology and degenerative joint disease	SP3D-4600	3D-4600



Collagen-based 3D Cell Culture Kits

		All-Inclusive
	Product Name	Cat #
Vascular	3D Embedded Tubule Formation Kit Designed to mimic the angiogenic process using primary HUVECs	8708
Brain	3D Endothelial-Pericyte Co-culturing Kit Co-cultures of primary HUVECs and human brain vascular pericytes	8728
	3D Human Blood Brain Barrier Modeling Kit Co-cultures of primary HUVECs, human brain vascular pericytes and astrocytes	8738
Kidney	3D Renal Tubule Formation Kit <i>In Vitro</i> model to study nephrotoxicity and renal tubule development	3D-4110