

ScienCell's 3D Cell Culture Products

Key Features:

- **Innovative:** We are the only company to offer Ready-To-Use Spheroids.
- **Simple:** No Experience needed for 3D Cell Culture.
- **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. #
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
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
3D Pulmonary Alveolar Epithelial Cell Spheroids Excellent model for examining alveolar maintenance and repair	SP3D-3200	N/A
3D Osteogenesis-Angiogenesis Coupling Spheroids Designed for unraveling the molecular crosswalk 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
3D Human Sertoli Cells An excellent <i>in vitro</i> model for studying the male fertility and drug penetration	SP3D-4520	N/A
3D Retinal Pigment Epithelial Spheroids Ideal model for drusen <i>in vitro</i> and diseases such as age-related macular degeneration	SP3D-6540	3D-6540
3D Trabecular Meshwork Cell Spheroids Excellent model for studying function of Trabecular meshwork cells in glaucoma research	SP3D-6590	N/A
3D Renal Proximal Tubular Epithelial Spheroids Model for studying kidney functions and immune response of kidney cells and viruses	SP3D-4100	N/A
3D Mini-Kidney Spheroids Co-culture of human primary renal proximal tubular epithelial cells, mesangial cells, and glomerular endothelial cells.	SP3D-4108	N/A

3D Cell Culture Media

Product Name	Cat. #
3D Medium-basal-serum free	8001
3D-Neuronal Spheroid Medium	3D-1521
3D-Epithelial Spheroid Medium	3D-4101
3D-Sertoli Spheroid Medium	3D-4521
3D-Liver Spheroid Medium	3D-5201
3D-Hepatic Stellate Cell Spheroid Medium	3D-5301
3D-Mesenchymal Stem Cell Spheroid Medium	3D-7501
3D-Blood Brain Barrier Spheroid Medium	3D-8701

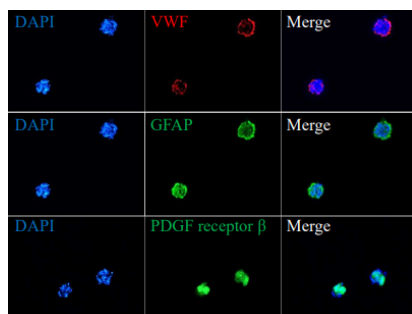
Collagen-based 3D Cell Culture Kits

Product Name	Cat. #
3D Embedded Tubule Formation Kit	8708
3D Endothelial-Pericyte Co-culturing Kit	8728
3D Human Blood Brain Barrier Modeling Kit	8738
3D Renal Tubule Formation Kit	3D-4110



Advance Your Research With ScienCell's 3D Models

3D Blood Brain Barrier Model

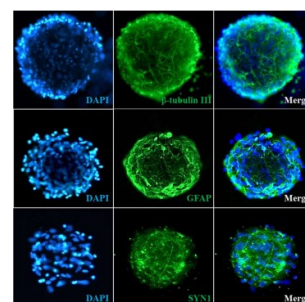


Primary **HUVEC**, **human brain vascular pericytes**, and **astrocytes** are co-cultured to recapitulate the intracellular interactions at the BBB. (Cat. #SP3D-8738 & #3D-8738).

3D Brain Models

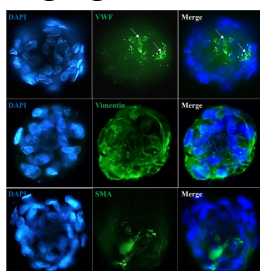


3D Cerebral Cortical Model



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

3D Liver Fibrogenesis-Angiogenesis Model

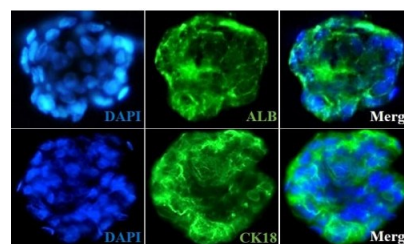


Primary **human hepatic stellate-endothelial cell** co-culture spheroids can be used to investigate the link between fibrosis and angiogenesis. (Cat. #SP3D-5000 & #3D-5000).

3D Liver Models

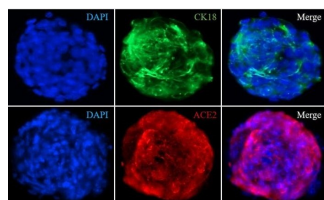


3D Liver Fibrosis Model



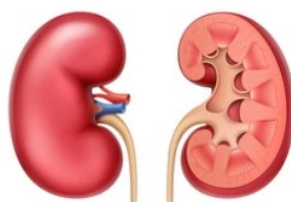
Primary **human hepatocytes** and **hepatic stellate cells** are co-cultured to study cellular crosstalk in the liver or to better maintain hepatocyte function (Cat. #SP3D-5300).

3D Renal Proximal Tubular Epithelial Spheroids

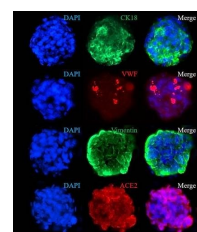


Primary **human renal proximal tubular epithelial cells** can be used to study kidney functions and immune response to viruses (Cat. #SP3D-4100).

3D Kidney Models

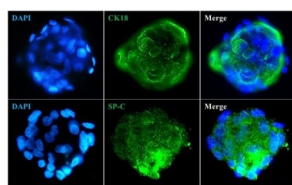


3D Mini-Kidney Spheroids



Co-culture of primary **human renal proximal tubular epithelial cells**, **mesangial cells**, and **renal glomerular endothelial cells** (Cat. #SP3D-4108).

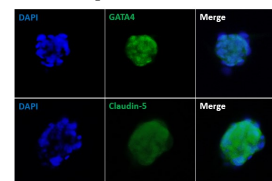
3D Human Pulmonary Alveolar Epithelial Cell Spheroids



When primary **alveolar epithelial cells** are cultured in three-dimensionals, cells maintain their epithelial functional markers (Cat. #SP3D-3200).

Other 3D Models

3D Human Sertoli Cell Spheroids



Primary **Sertoli cells** make up the blood-testis barrier that plays an immunoprotective role in the testis (Cat. #SP3D-4520).

