

ScienCell's 3D Cell Culture Products

Key Features:

- **Innovative:** We are the first 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.

Featured 3D Spheroids Using Primary Cells

	Ready-To-Use	All-Inclusive
Product Name	Cat. #	Cat. #
3D Human Bronchial Fibroblast Spheroids HBF in these spheroids can be used to model fibrosis through TGF- β 1 treatment	SP3D-3420	N/A
3D Mini-Kidney Spheroids Study kidney diseases that are challenging to model using only epithelial cells such as fibrosis	SP3D-4108	N/A
3D Human Sertoli Cells An excellent <i>in vitro</i> model for studying the male fertility and drug penetration	SP3D-4520	N/A
3D Chondrocyte Spheroids Ideal for studying chondrocyte physiology and degenerative joint disease	SP3D-4600	3D-4600
3D Chondrocyte-articular Spheroids Ideal for studying chondrocyte function, joint degeneration, and cartilage repair	SP3D-4650	3D-4650
3D Hepatic Stellate-Endothelial Cell Spheroids Designed for studying liver fibrogenesis and angiogenesis	SP3D-5000	3D-5000
3D Hepatic Sinusoidal Endothelial Cell Spheroids Excellent <i>in vitro</i> model for studying HHSEC function and its contribution to hepatic homeostasis	SP3D-5010	N/A
3D Hepatocyte-Stellate Cell Spheroids Ideal for studying liver function and diseases such as liver fibrosis	SP3D-5300	N/A
3D Retinal Pigment Epithelial Spheroids Ideal model for modeling 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 Human Preadipocyte Spheroids Excellent tool for drug discovery and the study of adipocyte biology	SP3D-7220	N/A
3D Human Ovarian Fibroblast Spheroids Excellent <i>in vitro</i> model for studying HOF function and its role in ovarian cancer and ovarian fibrosis	SP3D-7330	N/A
3D Mesenchymal Stem Cell Spheroids Model for examining the functions of mesenchymal stem cells in cell therapy and tissue regeneration	SPD3D-7500	N/A
3D Osteogenesis-Angiogenesis Coupling Spheroids Designed for unraveling the molecular crosstalk between angiogenesis and osteogenesis	SP3D-8748	3D-8748
3D Hepatic Stellate Cell Monoculture Spheroids Models for studying signaling pathways regulating hepatic stellate cell activation in liver disease	SP3D-8750	3D-8750

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
3D-Preadipocyte Spheroid Differentiation Medium	3D-7221

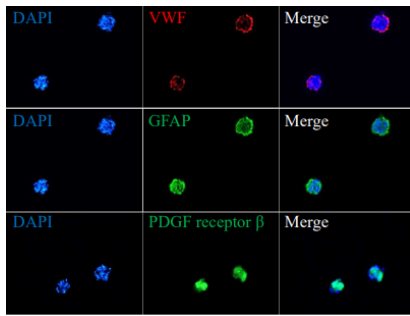
Collagen-based 3D Cell Culture Kits

Product Name	Cat. #
3D Basic Embedded Tubule Formation Kit	8698
3D Embedded Tubule Formation Kit	8708
3D Network Formation Assay Kit	8718
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

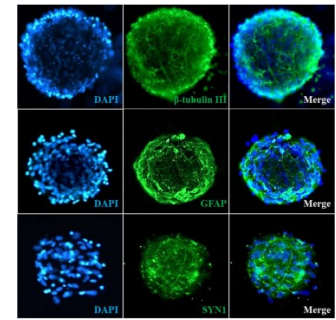


Primary **HUVEC**, **human brain vascular pericytes**, and **astrocytes** are co-cultured to recapitulate the intracellular interactions at the BBB. (Cat. #SP3D-8738 & #3D-8738).

3D Brain Models

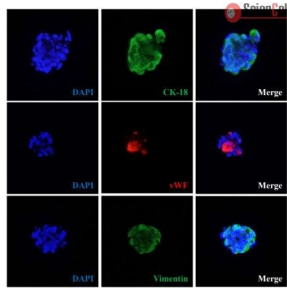


3D Cerebral Cortical Model



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

3D Human Mini Liver Model

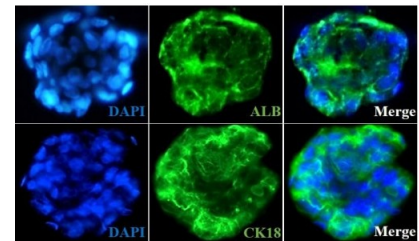


Primary human mini liver spheroids comprised of **human hepatocytes**, **hepatic stellate cells**, and sinusoidal **endothelial cells** to reflect hepatic function physiologically (Cat. #SP3D-5108).

3D Liver Models

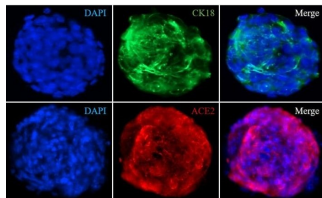


3D Liver Fibrosis Model



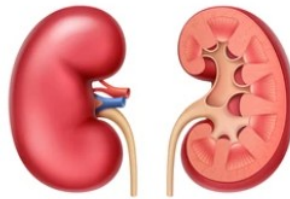
Primary **human hepatocytes** and **hepatic stellate cells** are co-cultured to study cellular crosstalk in the liver or to better maintain hepatocyte function (Cat. #SP3D-5300).

3D Renal Proximal Tubular Epithelial Spheroids

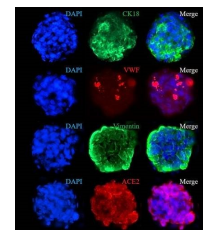


Primary **human renal proximal tubular epithelial cells** can be used to study kidney functions and immune response to viruses (Cat. #SP3D-4100).

3D Kidney Models

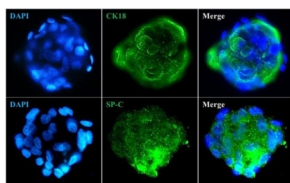


3D Mini-Kidney Spheroids



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

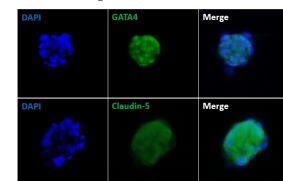
3D Human Pulmonary Alveolar Epithelial Cell Spheroids



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).