

Cell immortalization Products and Services

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1 About Creative Bioarray

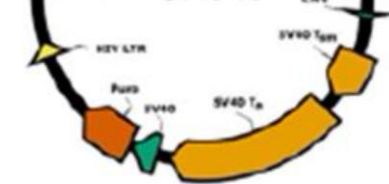
Creative Bioarray is a leading provider of immortalized human and animal cell lines. **Our cell products and services are designed to fit the increasing need for relevant *in vitro* cell model systems and novel production hosts.**

Creative Bioarray has established immortalized human cell lines by reactivating telomerase and thereby producing cells with the highest similarities to primary cells in function and behavior. We developed an HT® Cell Immortalization Kit that is comprised of retroviral, lentiviral, and adenoviral particles for hTERT, p53 and siRNA, and SV40T antigens. In 2020, we also started the **Epigenetic Induction of Cell Growth Service** to develop immortalize cell lines (no viral genes). Our products and services will make your cell immortalization project easier than ever before. We were able to successfully immortalize cells of different species, such as human, monkey, mouse, bovine, and dog by using different immortalizing agents or genes. **With the Epigenetic Approach, we have established immortalized chicken and human hepatocytes.**

We are a reliable partner who can utilize powerful strategies to accelerate your research progress and deliver results to meet your needs.

2 Product and Service Capabilities

- Immortalized cells of various species and tissues
- Several cell immortalization systems, including SV40, hTERT, EVB, HPVE E6/E7, Ras, p53, Myc
- Flexible immortalization methods: with lentiviruses (SV40T, hTERT) or the Epigenetic Induction of Cell Growth approach
- Cell passage screening for up to 30 passages
- Transgene expression by RT-PCR
- 2-3 months of lead time depending on immortalizing method, cell sources, and species

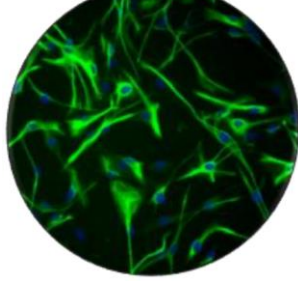


3 COVID-19-Related Immortalized Cell Lines

Creative Bioarray has been devoted to providing innovative and the best quality tools for your discovery of new mechanisms and therapeutics. We offer the following products for your COVID-19 research.

Cat No.	Product Name
CSC-I9125L	Immortalized Human Alveolar Epithelial Cells
CSC-I9127L	Immortalized Human Pulmonary Fibroblasts
CSC-I9125L	Immortalized Human Pulmonary Microvascular Endothelial Cells

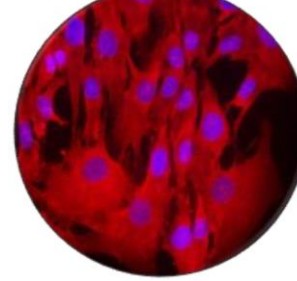
4 Immortalized Human Cell Lines



Immortalized Human Astrocytes



Immortalized Human Podocyte Cells



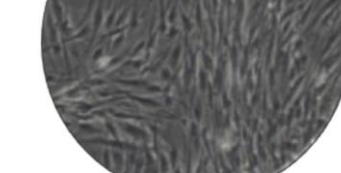
Immortalized Human Pericytes



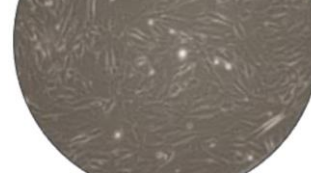
Immortalized Human Microglia

Cat No.	Product Name
CSC-C12025Z	Immortalized Human Astrocytes-SV40T
CSC-C12030Z	Immortalized Human Pericytes
CSC-I1918Z	Immortalized Human Podocyte Cells
CSC-I9004L	Immortalized Human Microglia
CSC-I9355Z	Immortalized Human Brain Microvascular Endothelial Cells
CSC-I9134L	Immortalized Human Cardiac Fibroblasts
CSC-I2054Z	Immortalized Human Endometrial Epithelial Cells
CSC-I9095L	Immortalized Human Dermal Microvascular Endothelial Cells
CSC-I9188L	Immortalized Human Hepatic Sinusoidal Endothelial Cells
CSC-I9157L	Immortalized Human Nasal Epithelial Cells-SV40
CSC-I9102L	Immortalized Human Skeletal Muscle Myoblasts
CSC-I9094L	Immortalized Human Skeletal Muscle Cells
CSC-I9038L	Immortalized Human Umbilical Vein Endothelial Cells
CSC-I9205L	Immortalized Human Corneal Endothelial Cells- SV40T
CSC-I1916Z	Immortalized Human Brain Microvascular Endothelial Cells-GFP
CSC-I9038L	Immortalized Human Umbilical Vein Endothelial Cells
CSC-I1913Z	Immortalized Human Hepatic Stellate Cells-SV40 (Tet-on)
CSC-I9016L	Immortalize Human Hepatocytes-SV40
CSC-I9011L	Immortalized Human Skin Fibroblast-SV40
CSC-I9069L	Immortalized Human Skin Fibroblast-hTERT
CSC-I2053Z	Immortalized Human Aortic Endothelial Cells
CSC-I1912Z	Immortalized Human Neuron Cells-SV40 (Tet-on)
CSC-I1913Z	Immortalized Human Hepatic Stellate Cells-SV40 (Tet-on)
CSC-I9138L	Immortalized Human Mammary Epithelial Cells
CSC-I9356Z	Immortalized Human Conjunctival Epithelial Cells
CSC-I0514Z	Immortalized human PBMC
CSC-I9357Z	Immortalized Human B Cells

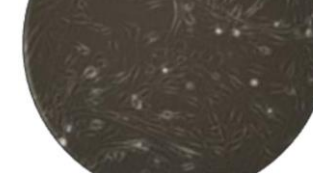
5 Immortalized Human Stem Cell Lines



Immortalized Human Wharton's Jelly-Derived Mesenchymal Stem Cells



Immortalized Human Adipose-Derived Mesenchymal Stem Cells



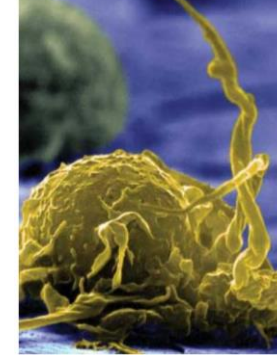
Immortalized Human Bone Marrow-Derived Mesenchymal Stem Cells

Stem cells are found in various parts of the human body and play important roles in maintaining tissue homeostasis and function. MSCs carry an enormous therapeutic potential, and model systems to study MSCs and develop novel clinical applications are of great importance. **The three human mesenchymal stem cell lines have a differentiation potential similar to the corresponding normal cells. We have characterized the expression of typical markers and functions.**

Cat No.	Product Name
CSC-I2031Z	Immortalized Human Wharton's Jelly derived Mesenchymal Stem Cells
CSC-I2040Z	Immortalized Human Adipose-derived Mesenchymal Stem Cells- SV40T
CSC-I2041Z	Immortalized Human Umbilical Cord-Derived Mesenchymal Stem Cells-SV40T
CSC-I2042Z	Immortalized Human Umbilical Cord-Derived Mesenchymal Stem Cells-SV40T+hTERT
CSC-I2037Z	Immortalized Human Bone Marrow-Derived Mesenchymal Stem Cells-SV40T
CSC-I2038Z	Immortalized Human Bone Marrow-Derived Mesenchymal Stem Cells-SV40T+hTERT
CSC-I2032Z	Immortalized Human Adipose-derived Mesenchymal Stem Cells

6 Immortalized Human Tumor-Derived Cell Lines

Cancer development is a multi-step process in which normal cells sustain a series of genetic alterations that together program the malignant phenotype. Much of our knowledge of cancer biology was obtained from the detailed study of specimens and cell lines derived from patient tumors. Over the past several years, the recognition that telomeres and telomerase are essential in regulating cell lifespan now permits the development of new animal and cell models of human cancer. **Cell immortalization is a great method to establish experimental models to study cancer.**



Cat No.	Product Name
CSC-I2047Z	Immortalized Human Vestibular Schwannoma Cells
CSC-I2050Z	Immortalized Human Pancreatic Neuroendocrine Tumor Cells
CSC-I2051Z	Immortalized Human Pancreatic Tumor Cells
CSC-I2052Z	Immortalized Human Pancreatic Tumor-associated Fibroblasts
CSC-I2060Z	Immortalized Human Primary Gastric Carcinoma Cells

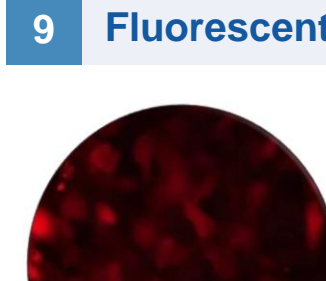
7 Immortalized Murine Cell Lines

Cat No.	Product Name
CSC-I9351L	Immortalized Mouse Hepatic Stellate Cells-SV40T
CSC-I2055Z	Immortalized Rat Brain Microvascular Endothelial Cells
CSC-I2056Z	Immortalized Mouse Lung Fibroblasts
CSC-I2057Z	Immortalized Mouse Epididymal Adipose-Derived Mesenchymal Stem Cells
CSC-I2059Z	Immortalized Mouse Pancreatic Stellate Cells
CSC-I2061Z	Immortalized C57BL/6 Mouse Adipose-Derived Mesenchymal Stem Cells

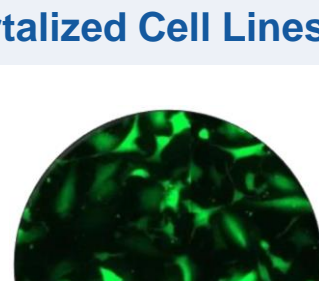
8 Immortalized Porcine Cell Lines

Cat No.	Product Name
CSC-I2064Z	Immortalized Porcine Adipose-Derived Mesenchymal Stem Cells
CSC-I2065Z	Immortalized Porcine Tonsil Epithelial Cells
CSC-I2066Z	Immortalized Porcine Hepatic Stellate Cells
CSC-I2067Z	Immortalized Porcine Skeletal Muscle Satellite Cells
CSC-I2069Z	Immortalized Porcine Nasal Mucosal Epithelial Cells

9 Fluorescent Immortalized Cell Lines



Immortalized Human Microglia-RFP



Immortalized Human Microglia-GFP



Immortalized Human Microvascular Pericytes-hTERT-RFP

Cat No.	Product Name
CSC-C12026Z	Immortalized Human Brain Microvascular Endothelial Cells-GFP
CSC-C12028Z	Immortalized Human Microglia-GFP
CSC-C12029Z	Immortalized Human Microglia-RFP
CSC-I9358Z	Immortalized Human Gallbladder Epithelial Cells-GFP

For more details, please visit our website. www.creative-bioarray.com

Contact us to Learn More

