

iPSC -Derived Human Cells

axoCells Human iPSC Technology

Better in vitro models with high-quality, functional iPSC-derived cells

As drug discovery increasingly adopts human-relevant approaches to disease modeling, human induced pluripotent stem cell (iPSC) technology is gaining momentum. This technology involves reprogramming consented blood or skin donations from patients and healthy donors into a stem cell state, from which they can differentiate into any cell type while retaining disease-specific behaviors.

Our partner Axol Bioscience is an expert in generating human iPSCs and differentiating them into specialized cell types, including neurons, neuro-inflammatory cells, muscle cells, and cardiac cells. These axoCells support *in vitro* research and disease modeling for neuroscience, pain/sensation, and cardiovascular projects.

axoCells iPSC-derived Human Cells can be cultured individually in monocultures or together in co-cultures of different cell types, such as cortical excitatory neurons, inhibitory interneurons, and neuroinflammatory cells. This enables the creation of advanced, more human-relevant *in vitro* models for research, toxicity studies, and drug discovery.

www.biocat.com/ipsc-derived-cells



Overview of axoCells iPSC-derived Human Cells for modeling neurodegenerative and neuroinflammatory diseases including ALS, Alzheimer's disease and Huntington's disease.



BioCat GmbH Technologiepark Im Neuenheimer Feld 584 D-69120 Heidelberg

Tel.: +49 (0) 6221 71415 16 Fax: +49 (0) 6221 71415 29 E-Mail: info@biocat.com

www.biocat.com

240815