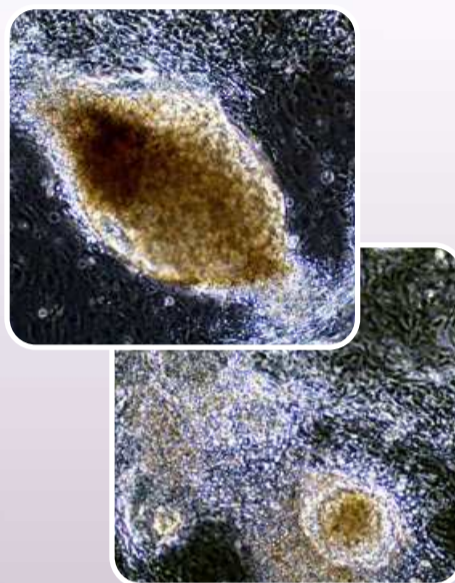
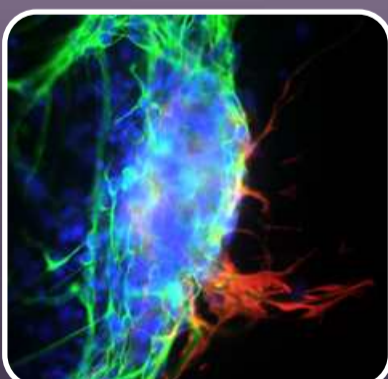
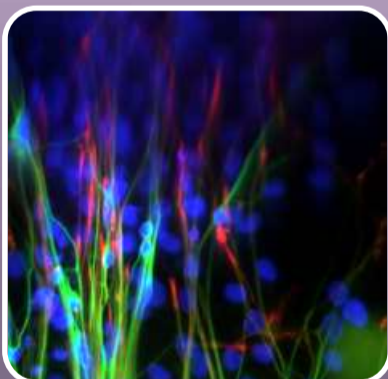
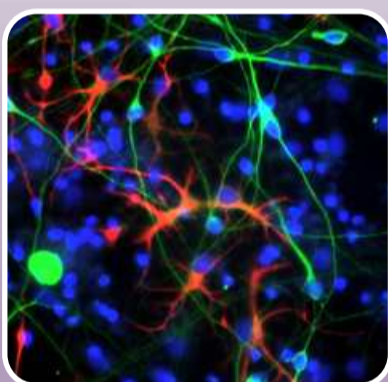


# Induced neural stem cells (iNSc) & CARDIOMYOCYTES

Celther Polska offers induced neural stem cells (iNS cells) derived from iPS cells based on Celther protocol. iNS cells are self-renewing, multipotent stem cells of nervous system, which in appropriate conditions can be differentiated into neurons, astrocytes, oligodendrocytes.



Description	Celther Cat. No.:
CLTH/iPS cells	CL 05001-CLTH
CLTH/iNS cells	CL 05002-CLTH
CLTH/induced cardiomyocytes	CL 05003-CLTH



## GENERAL DESCRIPTION

### iNS cells

Immunofluorescence studies indicate expression of NSC markers: Sox2 and Nestin.

Under appropriate conditions (culture in medium with EGF and bFGF) iNS cells remain in undifferentiated state, whereas withdrawal of growth factors causes spontaneous differentiation to neurons and glial.

### Induced Cardiomyocytes

Induced Cardiomyocytes are human cardiomyocytes derived from iPS cells through Celther proprietary differentiation protocols.

Immunofluorescence studies indicate expression of the alpha-myosin heavy chain (Myh6). Induced Cardiomyocytes culture consist of beating areas containing contracting cardiomyocytes.

## APPLICATIONS

Drug discovery - Toxicity screening - Differentiation and fate choice - Tissue and organ development - Epigenetic profiling - Disease modelling - Tissue engineering - Cell and gene therapy - Transplantation experiments

## ORDERING INFORMATION

Both iNS cells and induced Cardiomyocytes are tested and free of microbial contamination.

iNS cells and induced Cardiomyocytes are shipped frozen on dry ice and provided to customers in cryovials containing at least  $1 \times 10^6$  cells/mL.

For iNS cells and Induced Cardiomyocytes Celther Polska recommends optimal growth medium (MED 02006-CLTH for iNS cells, MED 02007-CLTH for induced cardiomyocytes), which maintains them in the undifferentiated state and provides conditions for an infinite number of divisions.

All information relating to this product is available on [www.celther.com](http://www.celther.com). Orders can be placed by e-mail at [edyta.wodzinska@celther.com](mailto:edyta.wodzinska@celther.com).

## CONTACT

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