

**Description**  
**Cat. No.:**  
CLTH/iPS cells  
CL 05001-CLTH

### APPLICATIONS

Drug discovery - Toxicity screening - Differentiation and fate choice - Tissue and organ development - Epigenetic profiling - Disease modelling

### APPLICATION hiPS cells in the Drug Discovery proces

- Understand underlying mechanisms of disease in human cells
- Identify drug targets, diagnostics, prognostics
- Screen for and test drugs or leads-to-drugs
- Provide better predictive models of drug efficacy and toxicity

### GENERAL INFORMATION

Immunofluorescent studies indicate expression of transcription factors (Sox2, Oct4, Nanog) as well as surface proteins (Tra1-81 and Tra1-60) characteristic for iPS cells. Furthermore, Celther iPS cells retain the ability to differentiate to cells originating from all three germ layers. Induced pluripotent stem cells have been derived from human dermal fibroblast.

**Form:**

*Cryopreserved*

**Format:**

*Vial(s)*

**Species:**

*Human*

**Quantity:**

*1 vial*

**Cell Type:**

*Human Induced pluripotent stem cells*

**Culture Type:**

*Adherent Cell Culture*

**Donor Source:**

*Single Donor*

**Product Size:**

*1 mL*

**Number of Cells:**

*1x10<sup>6</sup>*

**Tests Performed:**

*Sterility Testing (Bacteria & Fungi)*

**Donor Attributes:** *Normal*

**Regulatory Statement:**

*For Research Use Only. Not for use in diagnostic procedures.*

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