

iPSC-hDPSC | 300622

General information

Description	iPSC-hDPSC (human pluripotent stem cells) derived from human embryonic stem cells (hESCs). These cells are capable of differentiating into all three germ layers (ectoderm, mesoderm, and endoderm) and can be used for various applications, including drug discovery, disease modeling, and regenerative medicine.
Organism	Human
Tissue	Embryonic stem cells
Disease	Neurodegenerative diseases
Applications	Drug discovery, disease modeling, regenerative medicine, stem cell biology, and basic research.

Characteristics

Ethnicity	Human
Morphology	IPSC, embryonic stem cells
Cell type	Embryonic stem cells
Growth properties	High

Identification and documentation

Citation	iPSC-hDPSC (human pluripotent stem cells) Cytion 300622
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_B7DW
GMO Status	GMO-S1: iPSC (human pluripotent stem cells) derived from human embryonic stem cells (hESCs) using OCT4, SOX2, KLF4 and c-MYC, and other transcription factors.

Additional information

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Culture Medium	mTESR
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Dissociation Reagent	ReLeSR
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Subculturing	XXXX XXXX XX XXXXXX XXXXXX XXXXXX XXXXXXXX XXXX, XXX XX XXXXXXX XXXXX: - XXXX XX XXXXXXX XXXXXXX XXXXXX XX XXXXXX X-PBS (XXXX XXXX XXXXXXXXXX). - XXXX XX XXXXXX XXXXXXX XXXXXX XX XXXXXX XXXXXX XXXXXXXXXX XXXXXX. - XXXX XXXXXXX XXXXXX XXX XXXXX. - XXXX XX XXXXXX XXXXXXX XXX XXXXXXX XXX XXXXXXXX. - XXXX XXXX XXXXXX XXXXXX XX 6 XXXXXX XXXXXXXXXX XXXX XX XXXXXX XXXXXXXXXX XXXX XXXXXX XXXXXX XXXXXX.
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Seeding density	XXXX XXXXXXX XXXXXX XXXX XXXXXXXXXX XXXXXXX XXXXXXX, XXXXXX XXXXXXX XXXXXXX XXXXXX XX 5,000 XX 10,000 XXXX/XX" X XXXX XXXXXX
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Fluid renewal	XXXXX
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Post-Thaw Recovery	XXXXX
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Freeze medium	XXXXXXX XXXXXXX XXXXXXX, XXX XXXXXXXX X-80% FBS + 10% XXXXXX XXXXXX + 10% DMSO XXX XXXXXX XX XXXXXXX, XX CM-1 (XXXX XXXXXXX)
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Thawing and
Culturing Cells

1. 将细胞悬液缓慢加入含有培养基的培养瓶中，轻轻混匀，使细胞在培养基中均匀分布。
2. 将培养瓶置于37°C、5% CO₂的培养箱中，静置过夜。
3. 第二天，将培养瓶置于37°C、5% CO₂的培养箱中，静置过夜。
4. 第三天，将培养瓶置于37°C、5% CO₂的培养箱中，静置过夜。
5. 第四天，将培养瓶置于37°C、5% CO₂的培养箱中，静置过夜。
6. 第五天，将培养瓶置于37°C、5% CO₂的培养箱中，静置过夜。
7. 第六天，将培养瓶置于37°C、5% CO₂的培养箱中，静置过夜。
8. 第七天，将培养瓶置于37°C、5% CO₂的培养箱中，静置过夜。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

Freezing
Procedure

将细胞悬液加入含有冻存液的冻存管中，轻轻混匀，使细胞在冻存液中均匀分布。

Shipping
Conditions

将冻存管放入冰袋中，置于-78°C的干冰中，密封后发货。

Storage
Conditions

将冻存管放入-150°C的液氮中，密封后存储。

细胞鉴定与验证

Sterility

细胞悬液经PCR检测，无细菌、真菌、支原体污染。

细胞悬液经无菌检测，无细菌、真菌、支原体污染。