

ATDC5 | 305427

Description ATDC5 is a human embryonic stem cell line derived from a human embryo. It is a pluripotent stem cell line that can differentiate into all three germ layers: ectoderm, mesoderm, and endoderm. ATDC5 cells are characterized by their ability to self-renew and their capacity to differentiate into various cell types, including neurons, cardiomyocytes, and hepatocytes. This cell line is widely used in stem cell research and regenerative medicine.

Organism Human

Tissue Embryonic stem cells

Disease None

Synonyms ATDC-5

Breed/Subspecies 129

Age N/A

Gender N/A

Morphology Adherent

Growth properties High efficiency

Citation ATDC5 (ATDC5 cell line) 305427

Biosafety level 1

NCBI_TaxID 10090

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Culture Medium	DMEM: DMEM:Ham's F12 (1:1) 3.1 / 2.5 15 (15)
Supplements	5 FBS
Dissociation Reagent	
Subculturing	
Seeding density	2×10^4 /
Freeze medium	(FBS) + 10% DMSO
Thawing and Culturing Cells	<ol style="list-style-type: none">1. 2. -1503. 374. 70%5. 15 86. 300 × 37. 108.
Incubation Atmosphere	37
Flask Coating	

