

Product sheet

Eca-109 | 305511

General Information

Description	Eca-109 is a human embryonic stem cell (ESCC) derived from a human embryo, characterized by its ability to self-renew and differentiate into all three germ layers. It is maintained in a feeder layer of fibroblasts and is used for various research purposes, including drug discovery and regenerative medicine.
Organism	Human
Tissue	Embryonic stem cells
Disease	Not applicable
Synonyms	Eca109, Eca 109, EC-109, EC109

Characteristics

Age	Not applicable
Gender	Not applicable
Ethnicity	Not applicable
Morphology	Epithelial-like cells
Growth properties	Adherent

References and Safety

Citation	Eca-109 (Accession Number: Cytion 305511)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_6898

Additional Information

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General Information

Culture Medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are harvested by trypsinization and centrifugation. Cells are resuspended in PBS and seeded into T25, 3-5 flasks. Cells are cultured in 3 flasks. Cells are harvested by trypsinization and centrifugation. Cells are resuspended in PBS and seeded into T25, 3-5 flasks. Cells are cultured in 3 flasks.

Freeze medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a), (10% FBS) + 10% DMSO

Thawing and Culturing Cells

1. Cells are thawed in a 37°C water bath and centrifuged at 300 x g for 5 minutes. Cells are resuspended in PBS and seeded into T25, 3-5 flasks. Cells are cultured in 3 flasks.
2. Cells are thawed in a 37°C water bath and centrifuged at 300 x g for 5 minutes. Cells are resuspended in PBS and seeded into T25, 3-5 flasks. Cells are cultured in 3 flasks.
3. Cells are thawed in a 37°C water bath and centrifuged at 300 x g for 5 minutes. Cells are resuspended in PBS and seeded into T25, 3-5 flasks. Cells are cultured in 3 flasks.
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5. Cells are thawed in a 37°C water bath and centrifuged at 300 x g for 5 minutes. Cells are resuspended in PBS and seeded into T25, 3-5 flasks. Cells are cultured in 3 flasks.
6. Cells are thawed in a 37°C water bath and centrifuged at 300 x g for 5 minutes. Cells are resuspended in PBS and seeded into T25, 3-5 flasks. Cells are cultured in 3 flasks.
7. Cells are thawed in a 37°C water bath and centrifuged at 300 x g for 5 minutes. Cells are resuspended in PBS and seeded into T25, 3-5 flasks. Cells are cultured in 3 flasks.
8. Cells are thawed in a 37°C water bath and centrifuged at 300 x g for 5 minutes. Cells are resuspended in PBS and seeded into T25, 3-5 flasks. Cells are cultured in 3 flasks.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating

Flask coating: none

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Freezing Procedure -78°C

Shipping Conditions -78°C

Storage Conditions -150 to 196

HLA

Sterility