

Product sheet

**LX-2 | 305039**

**General Information**

<b>Description</b>	LX-2 is a cell line derived from a human embryo. It is a fibroblast cell line that is used for research purposes. It is characterized by its ability to differentiate into various cell types, including neurons, muscle cells, and blood cells. It is a valuable tool for studying human development and disease.
<b>Organism</b>	Human
<b>Tissue</b>	Embryo
<b>Synonyms</b>	Human Embryo Fibroblast (HEF)-2

**Characteristics**

<b>Age</b>	1-2 years
<b>Gender</b>	Male
<b>Morphology</b>	Adherent
<b>Cell type</b>	Fibroblast
<b>Growth properties</b>	Highly proliferative

**References and Accession**

<b>Citation</b>	Lx-2 (Human Embryo Fibroblast) Cytion 305039
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_5792

**Additional Information**

**Notes**

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**HEK293T LX-2 | 305039**

**Culture Medium** DMEM, w: 4.5 g/L  $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ , w: 4 mM L- $\text{Asn}$ , w: 3.7 g/L  $\text{NaHCO}_3$ , w: 1.0 mM  $\text{Na}_2\text{S}_2\text{O}_8$  (Cytion 820300a)

**Supplements**  $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$  2% FBS

**Dissociation Reagent**  $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$

**Subculturing** HEK293T cells are cultured in DMEM supplemented with 10% FBS. For subculturing, cells are trypsinized with 0.25% trypsin-EDTA, washed with PBS, and resuspended in DMEM supplemented with 10% FBS. Cells are seeded into new flasks at a density of  $1 \times 10^6$  cells per flask.

**Fluid renewal** 2 x 3 days

**Freeze medium** DMEM supplemented with 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a 37°C water bath.
  2. Dilute cells into DMEM supplemented with 10% FBS.
  3. Seed cells into a flask.
  4. Allow cells to attach to the flask.
  5. Refresh medium after 15-20 hours.
  6. Harvest cells after 3-5 days.
  7. Wash cells with PBS.
  8. Resuspend cells in DMEM supplemented with 10% FBS.

**Incubation Atmosphere** 37°C, 5%  $\text{CO}_2$

**Flask Coating**  $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$

**Freezing Procedure** Cells are washed with PBS and resuspended in DMEM supplemented with 10% FBS + 10% DMSO. Cells are seeded into a flask and allowed to attach. Cells are then harvested and resuspended in DMEM supplemented with 10% FBS + 10% DMSO. Cells are then seeded into a flask and allowed to attach.

