

Product sheet

**KYSE-30 | 305094**

**General Information**

<b>Description</b>	KYSE-30 is a human embryonic stem cell (ESC) 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). KYSE-30 is a karyotypically normal cell line with a karyotype of 46,XX. KYSE-30 is a karyotypically normal cell line with a karyotype of 46,XX.
<b>Organism</b>	Human
<b>Tissue</b>	Embryonic stem cells
<b>Disease</b>	None
<b>Synonyms</b>	KYSE-30, KYSE-30, KYSE-30, KYSE-30, KYSE-30, KYSE-0030, KYSE-0030

**Characteristics**

<b>Age</b>	64 years
<b>Gender</b>	Female
<b>Ethnicity</b>	White
<b>Morphology</b>	Epithelial cells, adherent
<b>Growth properties</b>	Highly proliferative

**References and Safety**

<b>Citation</b>	KYSE-30 (Kobayashi et al., 2004) (305094)
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_1351

**Additional Information**

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**Characteristics**

**Culture Medium** DMEM F12 RPMI 1640 50:50 (GlutaMAX 820600a 820702a)

**Supplements** 10% FBS

**Dissociation Reagent** Trypsin

**Doubling time** 20-30 days

**Subculturing** 1:2 to 1:10 in DMEM F12 RPMI 1640 50:50 (GlutaMAX 820600a 820702a) + 10% FBS

**Fluid renewal** 2-3 times per week

**Freeze medium** DMEM F12 RPMI 1640 50:50 (GlutaMAX 820600a 820702a) + 10% FBS + 10% DMSO

**Thawing and Culturing Cells**

1. Thaw cells rapidly in a 37°C water bath.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Wash cells three times with DMEM F12 RPMI 1640 50:50 (GlutaMAX 820600a 820702a).
4. Resuspend cells in DMEM F12 RPMI 1640 50:50 (GlutaMAX 820600a 820702a) + 10% FBS.
5. Seed cells into a well of a 96-well plate at 15 cells per well.
6. Incubate cells for 8 days.
7. Harvest cells at 10 days.
8. Analyze cells for the presence of the target protein.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>

**Flask Coating** None

