

Product sheet

JEG-3 | 300222

General information

<b>Description</b>	JEG-3 is a human epithelial cell line derived from a primary tumor of the jejunum. It is characterized by its ability to form colonies in soft agar and its tumorigenicity in nude mice. The cell line is maintained in DMEM supplemented with 10% fetal bovine serum (FBS) and 100 U/ml penicillin, 100 U/ml streptomycin, and 100 U/ml nystatin. It is a non-adherent cell line that grows in suspension culture.
<b>Organism</b>	Human
<b>Tissue</b>	Jejunum
<b>Disease</b>	Jejunum adenocarcinoma
<b>Metastatic site</b>	None
<b>Applications</b>	Cell culture, drug screening, tumor models
<b>Synonyms</b>	Jeg-3, JEG3, Jeg3, jeg3

Cellular characteristics

<b>Age</b>	None
<b>Gender</b>	None
<b>Morphology</b>	Epithelial, non-adherent
<b>Growth properties</b>	None

Identification and references

<b>Citation</b>	JEG-3 (ATCC CCL-222)   Cytion 300222
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_0363



JEG-3 | 300222

Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the vial to touch the bottom of the water bath. Remove the vial from the water bath and transfer the cells to a pre-warmed tube.
2. Centrifuge the cells at 300 x g for 3 minutes at 4°C. Remove the supernatant and resuspend the cells in 15 µl of pre-warmed medium.
3. Seed the cells into a pre-warmed 8 µl well of a 96-well plate.
4. Incubate the cells at 37°C in 5% CO<sub>2</sub> for 24 hours.
5. After 24 hours, the cells should be at 70% confluency.
6. Harvest the cells by centrifugation at 300 x g for 3 minutes at 4°C.
7. Resuspend the cells in 10 µl of pre-warmed medium.
8. Seed the cells into a pre-warmed 8 µl well of a 96-well plate.

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

**Flask Coating** None

**Freezing Procedure** Harvest cells by centrifugation at 300 x g for 3 minutes at 4°C. Resuspend the cells in 10 µl of pre-warmed medium. Seed the cells into a pre-warmed 8 µl well of a 96-well plate. Incubate the cells at 37°C in 5% CO<sub>2</sub> for 24 hours.

**Shipping Conditions** Store the cells at -80°C. Ship the cells on dry ice.

**Storage Conditions** Store the cells at -150°C for 196 weeks.

HLA

**Sterility** The cells are free of mycoplasmas and PCR detectable. The cells are free of endotoxins.

**██████ JEG-3 | 300222**

---

**██████ HLA**

**A\*:** '01:01:01, '11:01:01

**B\*:** 08:13, 35:01:00

**C\*:** 04:01:01, 07:01:01

**DRB1\*:** '01:03:01, '03:01:01

**DQA1\*:** '01:01:01, '05:01:01

**DQB1\*:** '02:01:01, '05:01:01

**DPB1\*:** '01:01:01, '04:01:01

**E:** 01:01:01