Human Ovarian Cancer Stem Cell Data Sheet:

<table>
<thead>
<tr>
<th>Product name:</th>
<th>Human Ovarian Cancer Stem Cell Culture</th>
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</thead>
<tbody>
<tr>
<td>Catalog number:</td>
<td>36102-29</td>
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<tr>
<td>Description:</td>
<td>Frozen Ampule (1.2 x 10⁶ cells) of 1 x 10⁶ viable cell upon thawing, shipped with dry ice. Also available in T75 tissue culture flask with plated cells, shipped at room temperature. Clonal selection of Human Cancer stem cells were derived from Human Ovarian Cancer tissue. The cells were maintained in the undifferentiated state in Celprogen’s Human Ovarian Cancer Stem Cell Complete Growth un-differentiating Medium and subcultured every 24 to 48 hours on Human Ovarian Cancer Stem Cell Extracellular matrix.</td>
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<td>Age:</td>
<td>Human Ovarian Cancer tissue, obtained from 37 years Old.</td>
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<td>Storage Conditions:</td>
<td>Liquid nitrogen vapor phase for frozen ampule of Human Ovarian Cancer stem cells. For plated cells in T75 tissue culture flask, upon receipt of the cells wipe the flask with 70% ethanol and transfer to sterile tissue culture hood. In the tissue culture hood remove the media of the cells and wash the cells with 1X PBS sterile solution, for 2 -3 minutes, remove the 1X PBS solution and then incubate the cells with 5 ml of 1X Trypsin EDTA for 5 -7 minutes. After trypsinization of the cells neutralize the trypsin with equal volume of Human Ovarian Cancer Stem Cell Complete media with serum and collect the cell suspension in 15 ml conical centrifuge tube in the tissue culture hood. Centrifuge the cell suspension at 100 g for 7 minutes in centrifuge. Plate cells 5 x 10⁵ cells per pre-coated flasks with Human Ovarian Cancer Stem Cell extra-cellular matrix for expansion in Human Ovarian Cancer Stem cell Expansion Medium.</td>
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<td>Positive markers:</td>
<td>Oct 4: CD 133; Nestin, telomerase, SSEA 3/4 , AP, CA125</td>
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Morphology and proliferation:
Mixed population of cells with approximately 70% attached cells and the other 30% in suspension, need to change cell culture media every day after 48 hours of initial cell culture or when the media starts changing color to slight yellow for pink. Fast growing cell culture. Change media with Celprogen’s Human Ovarian Cancer Stem Cell Complete Growth Media with the appropriate Human Stem Cell Extracellular matrix and tissue culture media for differentiation, expansion or maintaining stem cells in their un-differentiated stage. Temperature 37°C in 5% CO₂ humidified incubator.

Subculturing:
1. Thaw the vial with gentle agitation in a 37°C water bath or a dry 37°C shaking incubator. For water bath thawing keep the O-ring out of the water, thawing time 2-3 minutes.
2. Remove the thawed vial and wipe with 70% ethanol. Then transfer to the tissue culture hood.
3. Transfer the vial contents to a 15 ml sterile centrifuge tube, and gently add 7ml of pre-warmed Human Ovarian Cancer Stem Cell Complete Media to the centrifuge tube. Use an additional 0.5 ml of Human Ovarian Cancer Stem Cell complete media to rinse the vial and transfer the liquid to the centrifuge tube repeat this once more to
ensure you have all the cells transferred to the 15 ml centrifuge tube. Add 1 ml of Human Ovarian Cancer Stem Complete Media to bring the final volume to 10 ml in the 15 ml centrifuge tube.

4. Centrifuge the cells at 100 g for 5 minutes. Remove the supernatant and resuspend the cell pellet in 500 ul of Human Ovarian Cancer Stem Cell Complete Growth Media.

5. Add the 500 ul of cells to T75 flask pre-coated with Human Ovarian Cancer Stem Cell Extracellular matrix with 15 ml of Human Stem Cell Complete Growth Medium.

6. Incubate the cells in the T75 flask in a 37°C in 5% CO₂ humidified incubator. Perform 100% Media Change every 24 to 48 hours.

7. Medium renewal everyday, and recommended subculturing ratio: 1:3

**Freezing Medium:** Human Ovarian Cancer Stem Cell Complete growth Medium supplemented with 90% Fetal Bovine Serum with 10% DMSO.

**Storage temperature:** liquid nitrogen vapor phase

**Product Orders:**

Before submitting an order you will be asked to read and accept the terms and conditions of Celprogen’s Material Transfer Agreement (MTA).

**Permits/Forms:** In addition to the MTA mentioned above, other CELPROGEN and/or regulatory permits may be required for the transfer of this CELPROGEN material. Anyone purchasing CELPROGEN material is ultimately responsible for obtaining the permits.

**Notices and Disclaimers:**

CELPROGEN products are intended for laboratory research purposes only. They are not intended for use in humans. The product is Human Ovarian Cancer stem cell culture established and manufactured by CELPROGEN Inc., and is for Research Use Only. This product is not for re-sale or may not be transferred to third party prior to written request and approval by CELPROGEN Inc.