

# PEO14 Cell Line

**Catalogue number:** 151675

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Simon Langdon

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**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** PEO14 Cell Line

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** The PEO14 cell line is one of nine from the PE ovarian adenocarcinoma panel (derived from 4 patients at varying stages of ovarian cancer, isolated from various malignant sites, and at various treatment stages) which provides a model system for research into the mechanism of oestrogen action on ovarian adenocarcinoma tumour cells, and for the study of efficacy and toxicity of oestrogen antagonists. PEO14 is an adherent cell line derived from a malignant effusion from the peritoneal ascites of a patient with a well differentiated serous adenocarcinoma. PEO14 was collected prior to treatment. PEO14 exhibits poor growth in semi-solid medium (agar). PEO14 is from the same patient as PEO16

**Purpose:**

**Parental cell:**

**Organism:** Human

**Tissue:** Ovary

**Model:** Tumour line

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

Adherent

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:** Frozen

**Concentration:**

**Passage number:**

**Growth medium:** Split sub-confluent cultures (70-80%) 1:4 to 1:10 seeding at  $2-3 \times 10^4$  cells/cm<sup>2</sup> using 0.25% trypsin or trypsin/EDTA; 5% CO<sub>2</sub>; 37°C. Doubling time approximately 108 hours. RPMI-1640 + 2mM Glutamine + 2mM Sodium Pyruvate + 10% Foetal Bovine Serum.

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Dry ice

## Related tools

**Related tools:** PEO1 Cell Line ; PEO1 Cell Line ; PEO4 Cell Line ; PEO6 Cell Line ; PEO16 Cell Line ; PEO23 Cell Line ; PEO1-CDDP Cell Line ; PEA1 Cell Line ; PEA2 Cell Line ; TO14 Cell Line

## References

**References:** Matassa et al. 2016. Cell Death Differ. :. PMID: 27206315. ; Oxidative metabolism drives inflammation-induced platinum resistance in human ovarian cancer. ; Langdon et al. 1990. Br J Cancer. 62(2):213-6. PMID: 2386737. ; Oestrogen receptor expression and the effects of oestrogen and tamoxifen on the growth of human ovarian carcinoma cell lines. ; Degos et al. 1979. Gastroenterol Clin Biol. 3(10):735-9. PMID: 316786. ; [The natural history of gastrointestinal bleeding in patients with alcoholic cirrhosis. Definition of a subgroup of patients with high risk of bleeding recurrence (author's transl)]

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