

# PEO23 Cell Line

**Catalogue number:** 151677

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Simon Langdon

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**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** PEO23 Cell Line

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** The PEO23 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. PEO23 is an adherent cell line derived from a malignant effusion from the peritoneal ascites of a patient with a well differentiated serous adenocarcinoma. PEO23 was collected on relapse after cisplatin and chlorambucil treatment. PEO23 exhibits poor growth in semi-solid medium (agar). PEO23 is from the same patient as TO14 cell lines.

**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 120 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 ; PEO4 Cell Line ; PEO6 Cell Line ; PEO14 Cell Line ; PEO16 Cell Line ; PEO1-CDDP Cell Line ; TO14 Cell Line ; PEA1 Cell Line ; PEA2 Cell Line

## References

**References:** 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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