

Product sheet

A2780 | 300491

General Information

Description
A2780 is a human cell line derived from a melanoma tumor in 1972. It is a continuous cell line that grows in suspension culture. A2780 cells are highly sensitive to DNA-damaging agents and are used as a model system for studying DNA damage and repair. A2780 cells are also used in drug screening and toxicology studies. A2780 cells are highly sensitive to DNA-damaging agents and are used as a model system for studying DNA damage and repair. A2780 cells are also used in drug screening and toxicology studies. A2780 cells are highly sensitive to DNA-damaging agents and are used as a model system for studying DNA damage and repair. A2780 cells are also used in drug screening and toxicology studies. A2780 cells are highly sensitive to DNA-damaging agents and are used as a model system for studying DNA damage and repair. A2780 cells are also used in drug screening and toxicology studies.

Organism Human

Tissue Melanoma

Synonyms A-2780, 2780, A2780S

Characteristics

Age 1-3 months

Gender Male

Growth properties Adherent

References

Citation A2780 (ATCC CCL-9) | Cytion 300491

Biosafety level 1

NCBI_TaxID 9606

CellSaurusAccession CVCL_0134

Additional Information

Notes

Cell Culture Medium A2780 | 300491

Culture Medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent

Subculturing 15 min at 37°C in PBS (pH 7.2-7.4)

Fluid renewal 2-3 times per week

Freeze medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a), 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 min.
 3. Wash cells in PBS (pH 7.2-7.4) at 37°C.
 4. Resuspend cells in fresh medium containing 10% FBS.
 5. Seed cells into a T25 flask at a density of 1.5 x 10⁵ cells per flask.
 6. Incubate cells at 37°C in 5% CO₂.
 7. Monitor cell growth and confluency.
 8. Harvest cells when they reach 70-80% confluency.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating

Freezing Procedure Freeze cells in a freezing medium at -80°C

