

Product sheet

TC-1 | 305388

TC-1

Description
TC-1 is a cell line derived from a patient with a high-grade squamous intraepithelial lesion (HSIL). The cell line is characterized by the presence of HPV16 (HPV16), LTR, and the presence of the E6 and E7 genes. The cell line is also characterized by the presence of the G418 resistance gene. The cell line is also characterized by the presence of the p53 gene. The cell line is also characterized by the presence of the MoMLV and H-ras (G12V) genes. The cell line is also characterized by the presence of the p53 gene. The cell line is also characterized by the presence of the p53 gene.

Organism Human

Characteristics

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Cell type Epithelial

Growth properties Adherent

References

Citation TC-1 (ATCC CCL-221) Cytion 305388

Biosafety level 1

NCBI_TaxID 10090

CellSaurusAccession CVCL_4699

GMO Status GMO-S1: TC-1 (ATCC CCL-221) Cytion 305388

Additional information

Notes

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Culture Medium DMEM, w: 4.5 g/L $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 4 mM L- Asn , w: 3.7 g/L NaHCO_3 , w: 1.0 mM $\text{Na}_2\text{S}_2\text{O}_8$ (Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent

Doubling time 18.

Freeze medium

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in fresh medium.
3. Seed the cells into a T25 flask containing 37 mL of medium.
4. Incubate the cells in a humidified incubator at 37°C with 5% CO_2 .
5. Monitor cell growth and confluency. Harvest cells when they reach 70-80% confluency.
6. Harvest cells by trypsinization. Add 3 mL of trypsin to the flask and incubate for 5 minutes.
7. Add 10 mL of medium to stop the trypsin reaction. Pipette the cells into a 15 mL tube and centrifuge at 300 x g for 5 minutes.
8. Resuspend the cells in 1 mL of medium. Count the cells and seed them into a new flask.

Incubation Atmosphere 37°C, 5% CO_2

Flask Coating

Freezing Procedure

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Shipping Conditions

Store at -78°C

Storage Conditions

Store at -150 to 196 °C

HLA

Sterility

PCR