

Product sheet

TPC-1 | 305054

TPC-1

Description TPC-1 (PTC) TPC-1, TPC-1, TPC-1, TPC-1 in vitro & in vivo RET

Organism

Tissue

Disease

Synonyms TPC1

TPC-1

Age

Gender

Morphology

Growth properties

TPC-1

Citation TPC-1 (Cytion 305054)

Biosafety level 1

NCBI_TaxID 9606

CellSaurusAccession CVCL_6298

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

Supplements 10% FBS, 4.5 mg/ml insulin, 4.5 mg/ml transferrin, 4.5 mg/ml selenium

Dissociation Reagent Trypsin-EDTA

Subculturing Cells are cultured in RPMI 1640 medium supplemented with 10% FBS, 4.5 mg/ml insulin, 4.5 mg/ml transferrin, 4.5 mg/ml selenium, and 2.0 mM β -mercaptoethanol. Cells are grown in T25 flasks, 3-5 \times 10⁶ cells per flask. Cells are passaged every 2-3 weeks.

Fluid renewal 2-3 times per week

Freeze medium RPMI 1640 medium supplemented with 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Centrifuge cells at 300 x g for 3 minutes.
 3. Wash cells in PBS with 10% FBS.
 4. Resuspend cells in RPMI 1640 medium with 10% FBS.
 5. Seed cells into T25 flasks.
 6. Incubate cells at 37°C with 5% CO₂.
 7. Monitor cell growth and passage when cells reach 70-80% confluency.
 8. Pass cells into new T25 flasks.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating None

Freezing Procedure Cells are frozen in RPMI 1640 medium supplemented with 10% FBS and 10% DMSO. Cells are stored at -80°C.

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Shipping Conditions -78°C

Storage Conditions

TPC-1, 196

HLA

Sterility

PCR