

Product sheet

SUM159PT | 305116

General Information

Description	SUM159PT is a cell line derived from a 71-year-old female patient with TNBC. It is characterized by high proliferation and is sensitive to BET inhibitors JQ1 and BRD4.
Organism	Human
Tissue	Breast
Disease	Tubular lobular carcinoma in situ (TNBC)
Synonyms	SUM-159-PT, SUM-159PT, SUM 159PT, SUM-159, SUM 159, SUM159, 159 PT, 159PT

Cell Line Characteristics

Age	71 years
Gender	Female
Morphology	Epithelial
Growth properties	Adherent

Identification and Safety

Citation	SUM159PT (Cytion 305116)
Biosafety level	1
NCBI_TaxID	9606
CellSaurusAccession	CVCL_5423

Additional Information

References

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Culture Medium Ham's F12, w: 1.0 mM β -mercaptoethanol, w: 1.0 mM β -mercaptoethanol, w: 1.1 g/L NaHCO₃ (Cytion 820600a)

Supplements 10% FBS, 1 μ M hydrocortisone, 5 μ M dexamethasone

Dissociation Reagent Trypsin

Subculturing Cells are cultured in Ham's F12 medium supplemented with 10% FBS, 1 μ M hydrocortisone, and 5 μ M dexamethasone. Cells are grown in T25 flasks, 3-5 \times 10⁶ cells per flask. Cells are passaged every 2-3 weeks.

Split ratio 1:2 to 1:5

Fluid renewal 2-3 times per week

Freeze medium Ham's F12 medium supplemented with 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Wash cells in PBS, centrifuge at 300 x g for 3 minutes, and resuspend in 150 μ l of PBS.
 3. Resuspend cells in 1 ml of Ham's F12 medium supplemented with 10% FBS, 1 μ M hydrocortisone, and 5 μ M dexamethasone.
 4. Seed cells into a 25 cm² flask at 70% confluency.
 5. Incubate cells in a 37°C incubator with 5% CO₂.
 6. Harvest cells when they reach 80-90% confluency.
 7. Wash cells in PBS, trypsinize, and resuspend in 10 μ l of PBS.
 8. Seed cells into a 25 cm² flask at 70% confluency.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating None

