

TTA1 | 305138

General information

Description	TTA-1 is a T cell leukemia cell line derived from a patient with T-cell acute lymphoblastic leukemia (ATC). It is a continuous cell line that grows in suspension and is characterized by its high proliferation rate and sensitivity to chemotherapy. TTA-1 is a T cell leukemia cell line derived from a patient with T-cell acute lymphoblastic leukemia (ATC). It is a continuous cell line that grows in suspension and is characterized by its high proliferation rate and sensitivity to chemotherapy. TTA-1 is a T cell leukemia cell line derived from a patient with T-cell acute lymphoblastic leukemia (ATC). It is a continuous cell line that grows in suspension and is characterized by its high proliferation rate and sensitivity to chemotherapy.
Organism	Human
Tissue	Leukemia
Disease	Acute lymphoblastic leukemia
Synonyms	TTA1, TTA-I

Cell characteristics

Age	64 years
Gender	Male
Morphology	Leukemic
Growth properties	High

Cell culture conditions

Citation	TTA1 (Cytion 305138)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_6297

Cell culture conditions

Tumorigenic	Yes
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Overview

Culture Medium DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM sodium pyruvate (all from Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Doubling time 28.8 h

Subculturing Cells are grown in DMEM supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM supplemented with 10% FBS. Cells are seeded into new flasks at a density of 1 x 10⁵ cells per flask.

Freeze medium DMEM supplemented with 10% FBS and 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C.
2. Resuspend cells in DMEM supplemented with 10% FBS.
3. Seed cells into a new flask at a density of 1 x 10⁵ cells per flask.
4. Incubate cells in a CO₂ incubator at 37°C.
5. Monitor cell growth and confluency.
6. Subculture cells when they reach 70-80% confluency.
7. Use cells for experiments when they are in the exponential growth phase.
8. Store cells in liquid nitrogen for long-term storage.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

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Freezing
Procedure

Das Produkt sollte in einem Gefrierbehälter bei -78°C gefroren werden.

Shipping
Conditions

Das Produkt sollte bei -78°C transportiert werden.

Storage
Conditions

Das Produkt sollte bei -150 bis 196°C gelagert werden.

Das Produkt ist steril und frei von Mykoplasmata.

Sterility

Das Produkt wurde mittels PCR auf Mykoplasmata getestet und ist negativ.

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