

CT26.WT | 305178

CT26.WT

Description	CT26.WT is a murine T cell leukemia cell line derived from a CT26, N-nitroso-N-methyl-N'-nitrosodimethylamine (MNNG)-induced T cell leukemia in BALB/c mice. It is a highly tumorigenic cell line that grows in the peritoneal cavity of mice. It is characterized by the presence of the CT26 antigen, which is a marker for T cell leukemia. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 100 U/ml penicillin, 100 U/ml streptomycin, and 100 U/ml nystatin.
Organism	Murine
Tissue	Leukemia
Disease	Leukemia
Synonyms	CT26WT

CT26.WT

Breed/Subspecies	BALB/c
Morphology	Leukemia
Growth properties	Leukemia

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Citation	CT26.WT (CT26.WT Cytion 305178)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_7256

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Antigen expression	H-2d
Tumorigenic	Yes

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Culture Medium	RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO ₃ (Cytion 820700a)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Subculturing	Cells are grown in 25 cm ² flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is changed every 3-5 days.
Fluid renewal	2-3 times per week
Freeze medium	Cells are frozen in RPMI 1640 medium supplemented with 10% FBS and 10% DMSO.
Thawing and Culturing Cells	- Cells are thawed in a water bath at 37°C. - Cells are centrifuged at 300 x g for 5 minutes. - Cells are resuspended in RPMI 1640 medium supplemented with 10% FBS. - Cells are seeded into 25 cm² flasks. - Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. - Cells are trypsinized and seeded into new flasks. - Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. - Cells are trypsinized and seeded into new flasks.
Incubation Atmosphere	37°C, 5% CO ₂
Flask Coating	Not required

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Freezing
Procedure

CT26.WT cells are grown in 100 cm² flasks until reaching confluence. Cells are harvested by trypsinization and centrifugation at 400 x g for 5 min. Cells are washed with PBS and resuspended in 10 ml of freezing medium (DMEM supplemented with 10% FBS and 10% DMSO). Cells are then slowly cooled down to -80°C in a cooling rack and stored in liquid nitrogen vapor phase.

Shipping
Conditions

CT26.WT cells are shipped in 100 cm² flasks with 10 ml of freezing medium (DMEM supplemented with 10% FBS and 10% DMSO) and are stored in liquid nitrogen vapor phase. Cells are shipped at -80°C.

Storage
Conditions

CT26.WT cells are stored in 100 cm² flasks with 10 ml of freezing medium (DMEM supplemented with 10% FBS and 10% DMSO) and are stored in liquid nitrogen vapor phase. Cells are stored at -150 to -196°C.

CT26.WT cells are grown in 100 cm² flasks until reaching confluence.

Sterility

CT26.WT cells are grown in 100 cm² flasks until reaching confluence. Cells are harvested by trypsinization and centrifugation at 400 x g for 5 min. Cells are washed with PBS and resuspended in 10 ml of freezing medium (DMEM supplemented with 10% FBS and 10% DMSO). Cells are then slowly cooled down to -80°C in a cooling rack and stored in liquid nitrogen vapor phase.

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