

Cell L5178-R | 400258

General information

Description	Cell L5178-R is a murine T cell leukemia cell line derived from a DBA/2 mouse. It is a continuous cell line that grows in suspension and is characterized by its high tumorigenicity. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. The cell line is used for the study of T cell leukemia and for the development of immunotherapies.
Organism	Murine
Tissue	Leukemia
Disease	Leukemia
Synonyms	L5178Y-R, L5178YR, L-5178-Y-R, LY-R, LYR

Cell characteristics

Breed/Subspecies	DBA/2
Morphology	Small, round cells
Cell type	Leukemia T
Growth properties	Highly tumorigenic

Cell identification and safety

Citation	L5178-R (Cell L5178-R Cytion 400258)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_4234

Cell storage and handling

Tumorigenic	Highly tumorigenic DBA/2
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Viruses

MAP, *Reo 3*, PVM, LCM, *M. pulmonis*, MVM, GD VII, H-1

Culture Medium

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

10% FBS, 1 mM β -mercaptoethanol, 1% NEAA

5 5 6 5 x 10

$$1 \times 10^6 \text{ } \square\square\square\square/\square'\square$$

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Cell Culture: Cells were grown in DMEM/F12 medium supplemented with 5% FBS + 10% DMSO or 5% FBS + 10% DMSO + 10% C

[illegible]

Product sheet

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**Incubation
Atmosphere**

37°C, 5%_{CO2}, **humidified**

Flask Coating

yes

**Freezing
Procedure**

cells are frozen in 1 ml freezing medium in 1 ml freezing vials and stored at -78°C

**Shipping
Conditions**

cells are shipped in 1 ml freezing medium in 1 ml freezing vials and stored at -78°C

**Storage
Conditions**

cells are stored in 1 ml freezing medium in 1 ml freezing vials at -150 to -196 °C

cells are frozen in 1 ml freezing medium in 1 ml freezing vials

Sterility

cells are tested for sterility by PCR

cells are tested for sterility by PCR, and the results are reported in the certificate of analysis.