

Resource Summary Report

Generated by [dkNET](#) on Sep 1, 2026

L5178Y TK+/- (clone 3.7.2C)

RRID:CVCL_6665

Type: Cell Line

Proper Citation

JCRB Cat# JCRB0709.1, RRID:CVCL_6665

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_6665

Proper Citation: JCRB Cat# JCRB0709.1, RRID:CVCL_6665

Description: Cell line L5178Y TK+/- (clone 3.7.2C) is a Cancer cell line with a species of origin *Mus musculus* (Mouse)

Sex: Female

Disease: Mouse thymic lymphoma

Defining Citation: [PMID:1093012](#), [PMID:4047078](#), [PMID:4047079](#), [PMID:4360720](#), [PMID:7329431](#), [PMID:27692294](#)

Comments: Biotechnology: Used for mutation assays to predict the carcinogenic potential of chemicals. Allows the quantitation of forward mutations at the thymidine kinase (TK) locus. These TK heterozygous cells are treated with a range of doses of the test substance. The cells are incubated, washed free of test substance and allowed time for the phenotypic expression of newly induced mutations (PubMed=1093012; PubMed=3416837; PubMed=4360720; PubMed=7329431).

Category: Cancer cell line

Organism: *Mus musculus* (Mouse)

Name: L5178Y TK+/- (clone 3.7.2C)

Synonyms: L5178Y clone 3.7.2C, L5178Y TK+/- 3.7.2C, L5178Y TK+/-3.7.2c, TK+/- (clone 3.7.2C)

Cross References: CLO:CLO_0007196, ATCC:CRL-9518, BCRC:60112, BCRJ:0140, CCRID:1101MOU-PUMC000816, CCRID:3101MOUTCM33, JCRB:FDSC0053, JCRB:JCRB0709.1, Wikidata:Q54901039

ID: CVCL_6665

Vendor: JCRB

Catalog Number: JCRB0709.1

Hierarchy: cvcl_4235

Record Creation Time: 20220427T220715+0000

Record Last Update: 20260829T234444+0000

Ratings and Alerts

No rating or validation information has been found for L5178Y TK+/- (clone 3.7.2C).

Warning: Discontinued: JCRB; FDSC0053

Biotechnology: Used for mutation assays to predict the carcinogenic potential of chemicals. Allows the quantitation of forward mutations at the thymidine kinase (TK) locus. These TK heterozygous cells are treated with a range of doses of the test substance. The cells are incubated, washed free of test substance and allowed time for the phenotypic expression of newly induced mutations (PubMed=1093012; PubMed=3416837; PubMed=4360720; PubMed=7329431).

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.