

Resource Summary Report

Generated by [dkNET](#) on Sep 2, 2026

R5-MaRBLE

RRID:CVCL_E8AW

Type: Cell Line

Proper Citation

RRID:CVCL_E8AW

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_E8AW

Proper Citation: RRID:CVCL_E8AW

Description: Cell line R5-MaRBLE is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Childhood T acute lymphoblastic leukemia

Defining Citation: [PMID:17182760](#)

Comments: Virology: Susceptible to infection by both CCR5-tropic (example JRCSF) and CXCR4-tropic HIV-1 strains (PubMed=17182760)., Virology: Infected with Moloney murine leukemia virus (MoMuLV) from MiCl1 (S+L-) (Cellosaurus=CVCL_3405) cells (from parent cell line X4-MaRBLE)., Characteristics: Transfected with three constructs. 1) 53LTRN-lucneoR#1 which contains the HIV-1 strain HXB2 LTR driving the expression of a Luc-DsRed fusion protein. This allows HIV-1 replication to be quantitatively evaluated by using luciferase activity when the LTR is activated by Tat, and the DsRed gene allows HIV-1 infected cells to be identified by red fluorescence. 2) pRenillaPac where Renilla luciferase is under the control of a CMV promoter and is used to monitor cell numbers and viability, 3) pCCR5/CEP4 which contains CCR5 under the control of a CMV promoter (PubMed=17182760)., Characteristics: Reporter cell line to measure HIV-1 infectivity and thus evaluate susceptibility to anti-HIV-1 drugs (PubMed=17182760)., Population: Japanese.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: R5-MaRBLE

ID: CVCL_E8AW

Hierarchy: cvcl_e8av

Record Creation Time: 20250423T102143+0000

Record Last Update: 20260830T002752+0000

Ratings and Alerts

No rating or validation information has been found for R5-MaRBLE.

No alerts have been found for R5-MaRBLE.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.