

Resource Summary Report

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

MS-5 [Mouse bone marrow]

RRID:CVCL_2128

Type: Cell Line

Proper Citation

DSMZ Cat# ACC-441, RRID:CVCL_2128

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2128

Proper Citation: DSMZ Cat# ACC-441, RRID:CVCL_2128

Description: Cell line MS-5 [Mouse bone marrow] is a Stromal cell line with a species of origin *Mus musculus* (Mouse)

Sex: Male

Defining Citation: [PMID:2783573](#)

Category: Stromal cell line

Organism: *Mus musculus* (Mouse)

Name: MS-5 [Mouse bone marrow]

Synonyms: MS5, Mouse Stromal-5

Cross References: CLO:CLO_0007877, DSMZ:ACC-441, DSMZCellDive:ACC-441, RCB:RCB4680, Wikidata:Q54906772

ID: CVCL_2128

Vendor: DSMZ

Catalog Number: ACC-441

Record Creation Time: 20220427T220823+0000

Record Last Update: 20260829T234705+0000

Ratings and Alerts

No rating or validation information has been found for MS-5 [Mouse bone marrow].

No alerts have been found for MS-5 [Mouse bone marrow].

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 32 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Zhao S, et al. (2026) RNF25 confers mRNA damage tolerance by curbing activation of the integrated stress response. *Molecular cell*, 86(7), 1275.

Pereira-Martins DA, et al. (2026) ?Np73 isoform defines a TP53-mutant-like poor-risk subgroup of acute myeloid leukemia. *Cell reports. Medicine*, 102540.

Garcia C, et al. (2026) FATP2-mediated lipid metabolism enhances chimeric antigen receptor T-cell therapy resistance in B-cell acute lymphoblastic leukemia. *Leukemia*, 40(8), 1763.

Mekkaoui Z, et al. (2026) Metformin dual-targets metabolism and survival pathways in BPDCN. *iScience*, 29(7), 116323.

Braams M, et al. (2026) ABO: A 3D stroma-supported culture platform enabling full human B-lymphopoiesis for disease modeling and gene therapy development. *Cell reports. Medicine*, 7(7), 102879.

Fiore D, et al. (2025) A patient-derived T cell lymphoma biorepository uncovers pathogenetic mechanisms and host-related therapeutic vulnerabilities. *Cell reports. Medicine*, 6(4), 102029.

Shahar Gabay T, et al. (2025) GMP-like and MLP-like Subpopulations of Hematopoietic Stem and Progenitor Cells Harboring Mutated EZH2 and TP53 at Diagnosis Promote Acute Myeloid Leukemia Relapse: Data of Combined Molecular, Functional, and Genomic Single-Stem-Cell Analyses. *International journal of molecular sciences*, 26(9).

Oudaert I, et al. (2025) PYCR1 inhibition in bone marrow stromal cells enhances bortezomib sensitivity in multiple myeloma cells by altering their metabolism. *Molecular oncology*.

Rivera M, et al. (2024) Protocol for in vitro co-culture assay for rapid expansion of human T cell acute lymphoblastic leukemia. *STAR protocols*, 5(2), 103103.

Zhu J, et al. (2024) The AXL inhibitor bemcentinib overcomes microenvironment-mediated resistance to pioglitazone in acute myeloid leukemia. *The FEBS journal*.

Fiore G, et al. (2024) Human CD34+-derived plasmacytoid dendritic cells as surrogates for primary pDCs and potential cancer immunotherapy. *Frontiers in immunology*, 15, 1433119.

Carmi YK, et al. (2024) Ovarian cancer ascites confers platinum chemoresistance to ovarian cancer cells. *Translational oncology*, 44, 101939.

Fredon M, et al. (2024) Impact of scFv on Functionality and Safety of Third-Generation CD123 CAR T Cells. *Cancer immunology research*, 12(8), 1090.

Sánchez-Costa M, et al. (2024) In-Hydrogel Cell-Free Protein Expression System as Biocompatible and Implantable Biomaterial. *ACS applied materials & interfaces*, 16(13), 15993.

de Smith AJ, et al. (2024) A noncoding regulatory variant in IKZF1 increases acute lymphoblastic leukemia risk in Hispanic/Latino children. *Cell genomics*, 4(4), 100526.

Booth CA, et al. (2024) BPDCN MYB fusions regulate cell cycle genes, impair differentiation, and induce myeloid-dendritic cell leukemia. *JCI insight*, 9(24).

Piau O, et al. (2023) Generation of transgene-free hematopoietic stem cells from human induced pluripotent stem cells. *Cell stem cell*, 30(12), 1610.

Sanz-Horta R, et al. (2023) Polycaprolactone with multiscale porosity and patterned surface topography prepared using sacrificial 3D printed moulds: Towards tailor-made scaffolds. *Biomaterials advances*, 151, 213465.

Miari KE, et al. (2023) Stromal bone marrow fibroblasts and mesenchymal stem cells support acute myeloid leukaemia cells and promote therapy resistance. *British journal of pharmacology*.

Becker HJ, et al. (2023) Controlling genetic heterogeneity in gene-edited hematopoietic stem cells by single-cell expansion. *Cell stem cell*, 30(7), 987.