

Resource Summary Report

Generated by [RRID](#) on Sep 8, 2026

TM3 [Mouse testis]

RRID:CVCL_4326

Type: Cell Line

Proper Citation

Ubigen Cat# YC-D021, RRID:CVCL_4326

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_4326

Proper Citation: Ubigen Cat# YC-D021, RRID:CVCL_4326

Description: Cell line TM3 [Mouse testis] is a Spontaneously immortalized cell line with a species of origin *Mus musculus* (Mouse)

Sex: Male

Defining Citation: [PMID:6774781](#), [PMID:7046561](#), [PMID:15541572](#), [PMID:16786125](#)

Category: Spontaneously immortalized cell line

Organism: *Mus musculus* (Mouse)

Name: TM3 [Mouse testis]

Synonyms: TM-3

Cross References: BTO:BTO_0004523, CLO:CLO_0009366, CLDB:cl4527, AddexBio:T0028002/5057, ATCC:CRL-1714, BCRC:60475, CCRID:1101MOU-PUMC000297, CCRID:3101MOUGNM24, ChEMBL-Cells:ChEMBL4482999, ChEMBL-Targets:ChEMBL4483272, CLS:305167, ECACC:91060526, KCLB:21714, NCBI_Iran:C514, PubChem_Cell_line:CVCL_4326, Ubigen:YC-D021, Wikidata:Q54972665

ID: CVCL_4326

Vendor: Ubigen

Catalog Number: YC-D021

Record Creation Time: 20250130T072857+0000

Record Last Update: 20260905T184144+0000

Ratings and Alerts

No rating or validation information has been found for TM3 [Mouse testis].

No alerts have been found for TM3 [Mouse testis].

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Li X, et al. (2026) Ergothioneine rescues obesity-induced testicular dysfunction via dual restoration of steroidogenesis and mitochondrial redox homeostasis. Redox biology, 91, 104090.

Virmani I, et al. (2026) Real-life organochlorine mixture-induced lipid dysregulation and oxidative stress in Leydig TM3 cells: Mechanistic insights into male reprotoxicity. Toxicology, 519, 154332.

Zhang C, et al. (2026) Testicular mRNA-LNP Delivery: A Novel Therapy for Genetic Spermatogenic Disorders. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(22), e09855.

Song H, et al. (2022) BCL2-associated athanogene 6 exon24 contributes to testosterone synthesis and male fertility in mammals. Cell proliferation, 55(7), e13281.

Ludwik KA, et al. (2020) RSK2 Maintains Adult Estrogen Homeostasis by Inhibiting ERK1/2-Mediated Degradation of Estrogen Receptor Alpha. Cell reports, 32(3), 107931.

Wang X, et al. (2019) Transcription regulation of NRF1 on StAR reduces testosterone synthesis in hypoxemic murine. The Journal of steroid biochemistry and molecular biology, 191, 105370.

Wang X, et al. (2017) Hypoxia reduces testosterone synthesis in mouse Leydig cells by inhibiting NRF1-activated StAR expression. Oncotarget, 8(10), 16401.

Gonzalez CR, et al. (2013) Involvement of KLF14 and egr-1 in the TGF-beta1 action on Leydig cell proliferation. Cytokine, 61(2), 670.