

# Resource Summary Report

Generated by [RRID](#) on Sep 6, 2026

## ES-E14

RRID:CVCL\_C320

Type: Cell Line

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### Proper Citation

RRID:CVCL\_C320

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### Cell Line Information

**URL:** [https://web.expasy.org/cellosaurus/CVCL\\_C320](https://web.expasy.org/cellosaurus/CVCL_C320)

**Proper Citation:** RRID:CVCL\_C320

**Description:** Cell line ES-E14 is a Embryonic stem cell with a species of origin Mus musculus (Mouse)

**Sex:** Male

**Defining Citation:** [PMID:3821905](#), [PMID:19581487](#), [PMID:23850244](#), [PMID:25004115](#), [PMID:26484140](#)

**Comments:** Part of: ENCODE project mouse cell lines.

**Category:** Embryonic stem cell

**Organism:** Mus musculus (Mouse)

**Name:** ES-E14

**Synonyms:** E14, E-14, ES (E14)

**Cross References:** BTO:BTO\_0005136, EFO:EFO\_0007075, 4DN:4DNSRR6CIPYP, BioSamples:SAMEA2155660, ENCODE:ENCBS033ENC, ENCODE:ENCBS042ENC, ENCODE:ENCBS043ENC, ENCODE:ENCBS054SMP, ENCODE:ENCBS324NLT, GEO:GSE53149, GEO:GSM344759, GEO:GSM344760, GEO:GSM397410, GEO:GSM397411, GEO:GSM413111, GEO:GSM413112, GEO:GSM413113, GEO:GSM413117, GEO:GSM413118, GEO:GSM413119, GEO:GSM413123, GEO:GSM413124, GEO:GSM413125, GEO:GSM413129, GEO:GSM413130, GEO:GSM413131, GEO:GSM413135, GEO:GSM413136, GEO:GSM413137, GEO:GSM413141, GEO:GSM413142, GEO:GSM413143, GEO:GSM413147, GEO:GSM413148, GEO:GSM413149, GEO:GSM413153, GEO:GSM413154, GEO:GSM413155, GEO:GSM1000121, GEO:GSM1000123, GEO:GSM1000124,

GEO:GSM1000125, GEO:GSM1000126, GEO:GSM1003750, GEO:GSM1003751, GEO:GSM1003756, GEO:GSM1003799, GEO:GSM1003807, GEO:GSM1003809, GEO:GSM1003810, GEO:GSM1014154, Wikidata:Q54832448

**ID:** CVCL\_C320

**Record Creation Time:** 20220427T215835+0000

**Record Last Update:** 20260905T175304+0000

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## Ratings and Alerts

No rating or validation information has been found for ES-E14.

No alerts have been found for ES-E14.

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## Data and Source Information

**Source:** [Cellosaurus](#)

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## Usage and Citation Metrics

We found 44 mentions in open access literature.

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

Olmeda F, et al. (2026) Scaling and self-similarity in the formation of the embryonic epigenome. Nature physics, 22(6), 931.

Tran AJ, et al. (2026) Loss of SPECC1L in cranial neural crest cells results in increased hedgehog signaling and frontonasal dysplasia. Frontiers in physiology, 17, 1751758.

Iyer DP, et al. (2024) mTOR activity paces human blastocyst stage developmental progression. Cell, 187(23), 6566.

Charlton SJ, et al. (2024) The fork protection complex promotes parental histone recycling and epigenetic memory. Cell, 187(18), 5029.

Sandovici I, et al. (2024) Overexpression of Igf2-derived Mir483 inhibits Igf1 expression and leads to developmental growth restriction and metabolic dysfunction in mice. Cell reports, 43(9), 114750.

Vainorius G, et al. (2023) Ascl1 and Ngn2 convert mouse embryonic stem cells to neurons via functionally distinct paths. Nature communications, 14(1), 5341.

Sun Z, et al. (2023) Chromatin regulation of transcriptional enhancers and cell fate by the Sotos syndrome gene NSD1. Molecular cell, 83(14), 2398.

Carraro M, et al. (2023) DAXX adds a de novo H3.3K9me3 deposition pathway to the histone chaperone network. Molecular cell, 83(7), 1075.

Flury V, et al. (2023) Recycling of modified H2A-H2B provides short-term memory of chromatin states. *Cell*, 186(5), 1050.

Xu X, et al. (2022) Mcm2 promotes stem cell differentiation via its ability to bind H3-H4. *eLife*, 11.

Liang X, et al. (2022) E-cadherin mediates apical membrane initiation site localisation during de novo polarisation of epithelial cavities. *The EMBO journal*, 41(24), e111021.

Gopalan S, et al. (2022) Multi-CUT&Tag to simultaneously profile multiple chromatin factors. *STAR protocols*, 3(1), 101100.

Abe K, et al. (2022) Distinct patterns of RNA polymerase II and transcriptional elongation characterize mammalian genome activation. *Cell reports*, 41(13), 111865.

Pernaute B, et al. (2022) DRP1 levels determine the apoptotic threshold during embryonic differentiation through a mitophagy-dependent mechanism. *Developmental cell*, 57(11), 1316.

Tavares M, et al. (2022) JAZF1-SUZ12 dysregulates PRC2 function and gene expression during cell differentiation. *Cell reports*, 39(9), 110889.

Li R, et al. (2021) CUT&Tag-BS for simultaneous profiling of histone modification and DNA methylation with high efficiency and low cost. *Cell reports methods*, 1(8).

Li R, et al. (2021) A simple and robust method for simultaneous dual-omics profiling with limited numbers of cells. *Cell reports methods*, 1(3).

Houlard M, et al. (2021) MCPH1 inhibits Condensin II during interphase by regulating its SMC2-Kleisin interface. *eLife*, 10.

Lima A, et al. (2021) Cell competition acts as a purifying selection to eliminate cells with mitochondrial defects during early mouse development. *Nature metabolism*, 3(8), 1091.

Petryk N, et al. (2021) Genome-wide and sister chromatid-resolved profiling of protein occupancy in replicated chromatin with ChOR-seq and SCAR-seq. *Nature protocols*, 16(9), 4446.