

Resource Summary Report

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

HES-3

RRID:CVCL_7158

Type: Cell Line

Proper Citation

WiCell Cat# es03, RRID:CVCL_7158

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_7158

Proper Citation: WiCell Cat# es03, RRID:CVCL_7158

Description: Cell line HES-3 is a Embryonic stem cell with a species of origin Homo sapiens (Human)

Sex: Female

Defining Citation: [PMID:16919167](#), [PMID:17570852](#), [PMID:17572666](#), [PMID:22108792](#), [PMID:22802639](#), [PMID:23117585](#), [PMID:24259714](#), [PMID:27688775](#), [PMID:28090699](#)

Comments: From: ESI BIO - BioTime, Inc. (ES Cell International); Alameda; USA.

Category: Embryonic stem cell

Organism: Homo sapiens (Human)

Name: HES-3

Synonyms: hES-3, HES 3, HES3, hES3, ESI-hES3, hES 3, ES03, ESIBIOe003-A, ESIBle003-A

Cross References: BioSample:SAMN03471890, GEO:GSM239976, GEO:GSM288328, GEO:GSM288330, GEO:GSM288395, GEO:GSM383880, GEO:GSM384101, GEO:GSM856724, GEO:GSM862741, GEO:GSM1040244, GEO:GSM1040314, GEO:GSM1084820, GEO:GSM1084834, GEO:GSM1084938, GEO:GSM1084939, GEO:GSM1084940, GEO:GSM1084993, GEO:GSM1085016, GEO:GSM1589802, GEO:GSM1589814, GEO:GSM1589934, GEO:GSM1589946, hPSCreg:ESIBle003-A, PRIDE:PXD000134, SKIP:SKIP001476, SKIP:SKIP001943, WiCell:es03, Wikidata:Q54882907

ID: CVCL_7158

Vendor: WiCell

Catalog Number: es03

Record Creation Time: 20220427T220336+0000

Record Last Update: 20260905T180252+0000

Ratings and Alerts

No rating or validation information has been found for HES-3.

No alerts have been found for HES-3.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Mostert D, et al. (2026) Restoration of structural organization in engineered cardiac microtissues is promoted by cardiomyocyte beating. Communications biology, 9(1).

Saito Y, et al. (2025) Specific induction of right ventricular-like cardiomyocytes from human pluripotent stem cells. Stem cell research & therapy, 16(1), 519.

Tan J, et al. (2024) Limited oxygen in standard cell culture alters metabolism and function of differentiated cells. The EMBO journal, 43(11), 2127.

Voges HK, et al. (2023) Vascular cells improve functionality of human cardiac organoids. Cell reports, 42(5), 112322.

Voges HK, et al. (2023) Generation of vascularized human cardiac organoids for 3D in vitro modeling. STAR protocols, 4(3), 102371.

Sahabian A, et al. (2021) Production and cryopreservation of definitive endoderm from human pluripotent stem cells under defined and scalable culture conditions. Nature protocols, 16(3), 1581.

Mills RJ, et al. (2021) BET inhibition blocks inflammation-induced cardiac dysfunction and SARS-CoV-2 infection. Cell, 184(8), 2167.

Dettmer R, et al. (2021) New hPSC SOX9 and INS Reporter Cell Lines Facilitate the Observation and Optimization of Differentiation into Insulin-Producing Cells. Stem cell reviews and reports, 17(6), 2193.

Mills RJ, et al. (2019) Drug Screening in Human PSC-Cardiac Organoids Identifies Pro-proliferative Compounds Acting via the Mevalonate Pathway. *Cell stem cell*, 24(6), 895.