



Product sheet

SV-80 | 300345

**GMO Status** GMO-S1: SV-80 SV40 T-antigen

**Tumorigenic** SMRV:

**Karyotype** = 76 = 52 87

**Culture Medium** DMEM 4.5 / 4 3.7 / NaHCO<sub>3</sub> 1.0 (82

**Supplements** 10 FBS

**Dissociation Reagent**

**Doubling time** 20 24

**Subculturing** PBS

**Split ratio** 1 5

**Seeding density** 3 5 × 10<sup>3</sup> /

**Fluid renewal** 1 2

**Post-Thaw Recovery**

**Freeze medium** ( FBS) + 10% DMSO

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**Thawing and Culturing Cells**

1. Thaw the vial in a 37°C water bath. Transfer the cells to a 15 mL centrifuge tube containing 10 mL of pre-warmed complete medium. Centrifuge at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 mL of complete medium. Seed the cells into a 25 cm<sup>2</sup> flask containing 10 mL of complete medium.
2. Incubate the cells in a 37°C incubator with 5% CO<sub>2</sub>. Monitor the cell density and confluency. Once the cells reach 70-80% confluency, they can be passaged.
3. For passage, trypsinize the cells and seed them into a new flask. Use a 1:5 split ratio.
4. The cells should reach confluency within 2-3 days. If the cells do not reach confluency, check the medium and incubation conditions.
5. For long-term storage, trypsinize the cells and resuspend them in 1 mL of complete medium. Add 10% FBS and freeze the cells in a cryovial.
6. Store the cells at -150°C. Thaw the cells in a 37°C water bath and follow the thawing procedure.
7. The cells should reach confluency within 2-3 days. If the cells do not reach confluency, check the medium and incubation conditions.
8. For long-term storage, trypsinize the cells and resuspend them in 1 mL of complete medium. Add 10% FBS and freeze the cells in a cryovial.

**Incubation Atmosphere**

37°C, 5% CO<sub>2</sub>

**Flask Coating**

Not required

**Freezing Procedure**

Resuspend cells in 1 mL of complete medium with 10% FBS. Freeze in a cryovial at -150°C.

**Shipping Conditions**

Store at -150°C. Ship on dry ice.

**Storage Conditions**

Store at -150°C. Do not store at -196°C.

**SV-80 / SV-80 / HLA**

**Sterility**

The cells are provided in a sterile, cryoprotected medium. The medium is free of mycoplasmas and endotoxins. The cells are tested for mycoplasmas using PCR.

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XXXXXXXXXXXXXXXX STRAmelogenin: x/y

**CSF1PO:** 12  
**D13S317:** 12  
**D16S539:** 9/13  
**D5S818:** 12  
**D7S820:** 10  
**TH01:** 9  
**TPOX:** 10/11  
**vWA:** 16  
**D3S1358:** 16  
**D21S11:** 28,3  
**D18S51:** 15,2  
**Penta E:** 11/12  
**Penta D:** 9  
**D8S1179:** 11:15  
**FGA:** 21,27

XXXXXXXX HLA

**A\*:** '02:01:01, '03:01:01  
**B\*:** '15:10:01, '45:01:01  
**C\*:** '03:04:02, '16:01:01  
**DRB1\*:** '10:01:01, '13:02:01  
**DQA1\*:** '01:02:01, '01:05:01  
**DQB1\*:** '05:01:01  
**DPB1\*:** '01:01:01, '04:02:01G  
**E:** '01:01, '01:03