

Product sheet

**ZR-75-1 | 300163**

**General Information**

<b>Description</b>	Cell line derived from a patient with metastatic melanoma (Engel et al., 1978).
<b>Organism</b>	Human
<b>Tissue</b>	Melanoma
<b>Disease</b>	Melanoma
<b>Metastatic site</b>	Metastatic
<b>Synonyms</b>	Zr-75-1, ZR751, ZR75-1, ZR75.1, ZR75_1

**Cell Line Characteristics**

<b>Age</b>	63 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Morphology</b>	Epithelial
<b>Growth properties</b>	Adherent, growing in DMEM

**Identification and Accession**

<b>Citation</b>	ZR-75-1 (Cytion 300163)
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_0588

**Enzymes and Markers**

<b>Isoenzymes</b>	G6PD, B
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**Thawing and Culturing Cells**

1. **Thawing:** Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature.
2. **Resuspension:** Resuspend the cells in 1-2 ml of pre-warmed complete medium. Do not use serum-free medium.
3. **Seeding:** Seed the cells into a pre-warmed T25 flask containing 25 ml of complete medium. Seed at a density of 1.5 x 10<sup>6</sup> cells per flask.
4. **Attachment:** Allow the cells to attach to the flask for 24 hours. The medium should be replaced with fresh complete medium.
5. **Expansion:** Expand the cells in a T75 flask containing 75 ml of complete medium. Seed at a density of 1.5 x 10<sup>6</sup> cells per flask.
6. **Passaging:** Pass the cells into a T25 flask containing 25 ml of complete medium. Seed at a density of 1.5 x 10<sup>6</sup> cells per flask.
7. **Media:** Use complete medium containing 10% FBS and 100 U/ml penicillin, 100 U/ml streptomycin, and 100 U/ml nystatin.
8. **Quality Control:** Perform PCR genotyping to confirm cell identity and purity.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified air

**Flask Coating** None

**Freezing Procedure** Harvest cells into a 15 ml centrifuge tube. Pellet cells by centrifugation at 300 x g for 3 minutes. Wash cells with PBS. Resuspend cells in 1 ml of freezing medium. Aliquot into 1 ml vials. Store at -80°C.

**Shipping Conditions** Cells should be shipped on dry ice at -80°C.

**Storage Conditions** Cells should be stored in complete medium at 150 RPM in a T25 flask at 37°C. Media should be replaced every 2-3 days.

**ZZR-75-1 / ZZR-75-1 / HLA**

**Sterility** Cells are tested for mycoplasma contamination using PCR. Cells are also tested for mycoplasma contamination using a MycoSect kit. Cells are found to be free of mycoplasma contamination.

**████████ ZR-75-1 | 300163**

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**████████ HLA**

**A\***: 11:01:01  
**B\***: '35:01:01  
**C\***: 04:01:01, 11:03  
**DRB1\***: 01:01:01  
**DQA1\***: 01:01:01  
**DQB1\***: 05:01:01  
**DPB1\***: 09:01:01  
**E**: 01:01:01