

Product sheet

**MRC-9 | 300394**

**General Information**

**Description** MRC-9 is a cell line derived from a 15-year-old male patient with acute myeloid leukemia (AML). It is a myelomonocytic leukemia cell line that grows in suspension culture. MRC-9 is a cell line derived from a 15-year-old male patient with acute myeloid leukemia (AML). It is a myelomonocytic leukemia cell line that grows in suspension culture. MRC-9 is a cell line derived from a 15-year-old male patient with acute myeloid leukemia (AML). It is a myelomonocytic leukemia cell line that grows in suspension culture.

**Organism** Human

**Tissue** Bone Marrow

**Synonyms** MRC9, MRC-9, MRC-9, MRC-9

**Characteristics**

**Age** 15

**Gender** Male

**Cell type** Myelomonocytic

**Growth properties** Suspension

**References**

**Citation** MRC-9 (MRC-9) Cytion 300394

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_2629

**Media and Reagents**

**Culture Medium**

EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO3, w: EBSS (EBSS) Cytion 820100a

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**Supplements** 10% FBS 1% NEAA

**Dissociation Reagent**

**Subculturing** 1. Add 1 ml of dissociation reagent to each well of the 24-well plate. 2. Incubate at 37°C for 3-5 min. 3. Add 1 ml of PBS to each well. 4. Gently pipette up and down to dissociate cells. 5. Transfer cells to a new well. 6. Repeat steps 1-5 for each well. 7. Add 1 ml of fresh medium to each well. 8. Incubate at 37°C for 24 hours.

**Freeze medium** 1. Prepare freezing medium by adding 10% DMSO to the culture medium. 2. Harvest cells and resuspend in freezing medium. 3. Aliquot into cryovials. 4. Freeze at -80°C.

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a 37°C water bath.
  2. Centrifuge at 300 x g for 3 min.
  3. Wash cells with PBS.
  4. Resuspend cells in fresh medium.
  5. Seed cells into a well of a 24-well plate.
  6. Incubate at 37°C for 24 hours.
  7. Add 1 ml of fresh medium to each well.
  8. Repeat steps 1-7 for each well.

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

**Flask Coating**

**Freezing Procedure** 1. Harvest cells and resuspend in freezing medium. 2. Aliquot into cryovials. 3. Freeze at -80°C.

**Shipping Conditions** 1. Pack cells in dry ice. 2. Ship at -80°C.

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**Storage Conditions** -150 °C 196 °C

HLA

**Sterility**