

Cell Line MH-S | 300487

General Information

Description	MH-S is a murine monoclonal cell line derived from a hybridoma. It is used for the production of monoclonal antibodies. MH-S cells are grown in the presence of IL-3 and IL-6. They are highly sensitive to IL-3 and IL-6, and their growth is dependent on these cytokines.
Organism	Mouse
Tissue	Blood

Characteristics

Breed/Subspecies	BALB/cJ
Age	7 weeks
Gender	Female
Cell type	Monoclonal cell line
Growth properties	Adherent / Suspension

Identification

Citation	MH-S (Cell Line Cytion 300487)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_3855

Antigen Expression

Protein expression	IL-1 (IL-1)
Antigen expression	CD11b (Mac-1), CD11c (I-A), CD11d (I-A)

SV40 MH-S | 300487

Viruses

SV40: SV40 (SV40)

SV40

Culture Medium

RPMI 1640, w: 2.0 mM NaH_2PO_4 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)

Supplements

10% FBS

Dissociation Reagent

Trypsin

Subculturing

Cells are grown in 15 ml tubes. Cells are harvested by centrifugation at 300 x g for 5 min. Cells are resuspended in PBS and counted (cells $\times$ 10⁶ ml⁻¹).

Freeze medium

Freeze medium: 10% FBS, 10% DMSO, 10% PBS (10% FBS) + 10% DMSO. Cells are resuspended in freeze medium and frozen in liquid nitrogen.

Thawing and Culturing Cells

1. Cells are thawed in a water bath at 37°C. Cells are centrifuged at 300 x g for 5 min. Cells are resuspended in PBS and counted (cells $\times$ 10⁶ ml⁻¹).
2. Cells are resuspended in 10% FBS, 10% DMSO, 10% PBS (10% FBS) + 10% DMSO. Cells are resuspended in freeze medium and frozen in liquid nitrogen.
3. Cells are thawed in a water bath at 37°C. Cells are centrifuged at 300 x g for 5 min. Cells are resuspended in PBS and counted (cells $\times$ 10⁶ ml⁻¹).
4. Cells are resuspended in 10% FBS, 10% DMSO, 10% PBS (10% FBS) + 10% DMSO. Cells are resuspended in freeze medium and frozen in liquid nitrogen.
5. Cells are thawed in a water bath at 37°C. Cells are centrifuged at 300 x g for 5 min. Cells are resuspended in PBS and counted (cells $\times$ 10⁶ ml⁻¹).
6. Cells are resuspended in 10% FBS, 10% DMSO, 10% PBS (10% FBS) + 10% DMSO. Cells are resuspended in freeze medium and frozen in liquid nitrogen.
7. Cells are thawed in a water bath at 37°C. Cells are centrifuged at 300 x g for 5 min. Cells are resuspended in PBS and counted (cells $\times$ 10⁶ ml⁻¹).
8. Cells are resuspended in 10% FBS, 10% DMSO, 10% PBS (10% FBS) + 10% DMSO. Cells are resuspended in freeze medium and frozen in liquid nitrogen.

Incubation Atmosphere

37°C, 5% CO_2 , humidified

Flask Coating

None

MH-S | 300487

**Freezing
Procedure**

Freezing procedure: The sample should be frozen at -78°C.

**Shipping
Conditions**

Shipping conditions: The sample should be shipped at -78°C.

**Storage
Conditions**

Storage conditions: The sample should be stored at -150 to -196 °C.

Stability

Sterility

The sample is sterile and suitable for PCR. The sample is not suitable for cell culture. The sample is not suitable for sequencing.