

H-MESO-1 | 300186

Cell Line

Description	H-MESO-1 is a human mesothelioma cell line derived from a patient with malignant mesothelioma. It is a continuous cell line that grows in the presence of 10% fetal bovine serum (FBS) in DMEM medium. H-MESO-1 cells are characterized by their high tumorigenicity and ability to form xenografts in nude mice. H-MESO-1 cells are also highly sensitive to cisplatin and paclitaxel. H-MESO-1 cells are a valuable tool for studying the biology of mesothelioma and for testing new therapies.
Organism	Human
Tissue	Mesothelioma
Disease	Mesothelioma
Synonyms	H-Meso-1, HMESO-1, HMeso-1, HMeso1, HMESO1, H-Meso, HMESO, Hmeso, Hmeso

Characteristics

Age	35 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Documentation

Citation	H-MESO-1 (Cytion 300186)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5759

Product sheet

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Cell Line: H-MESO-1

Tumorigenic Yes, tumorigenic in nude mice

Characteristics

Culture Medium RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO3 (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. Cells are passaged by trypsinization when they reach 80-90% confluency. Cells are seeded at a density of 1 x 10⁴ cells per flask.

Seeding density 1 x 10⁴ cells/cm²

Fluid renewal Every 5-7 days

Post-Thaw Recovery Cells are thawed in a water bath at 37°C and immediately transferred to a pre-warmed medium. Cells are seeded in a 25 cm² flask and allowed to recover for 24 hours before use.

Freeze medium RPMI 1640 medium supplemented with 10% FBS and 10% DMSO (Cytion 820700a + 10% DMSO)

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**Thawing and
Culturing Cells**

1. 将细胞冻存管放入37°C水浴中快速解冻，解冻后将细胞悬液转移至15 mL离心管中，离心5 min，弃去上清液。
2. 将细胞重悬于含有10% FBS的DMEM培养基中，在37°C、5% CO₂条件下培养24 h，使细胞贴壁。
3. 将细胞重悬于含有10% FBS的DMEM培养基中，在37°C、5% CO₂条件下培养24 h，使细胞贴壁。
4. 将细胞重悬于含有10% FBS的DMEM培养基中，在37°C、5% CO₂条件下培养24 h，使细胞贴壁。
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6. 将细胞重悬于含有10% FBS的DMEM培养基中，在37°C、5% CO₂条件下培养24 h，使细胞贴壁。
7. 将细胞重悬于含有10% FBS的DMEM培养基中，在37°C、5% CO₂条件下培养24 h，使细胞贴壁。
8. 将细胞重悬于含有10% FBS的DMEM培养基中，在37°C、5% CO₂条件下培养24 h，使细胞贴壁。

**Incubation
Atmosphere**

37°C, 5% CO₂, 饱和湿度

Flask Coating

无需涂层

**Freezing
Procedure**

将细胞悬液加入含有10% FBS的DMEM培养基中，在37°C、5% CO₂条件下培养24 h，使细胞贴壁。

**Shipping
Conditions**

将细胞冻存管放入冰袋中，在-78°C条件下运输。

**Storage
Conditions**

将细胞冻存管放入-150°C液氮中，在196 K条件下储存。

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Sterility

本产品经过严格的灭菌处理，符合GMP标准。本产品不含任何抗生素、血清、生长因子等成分，适用于各种细胞培养实验。

XXXXH-MESO-1 | 300186

XXXXXX HLA	A* : 02:01:01
	B* : 13:02:01, 44:02:01
	C* : '06:02:01, '07:04:01
	DRB1* : 07:01:01, 13:01:01
	DQA1* : '01:03:01, '02:01:01
	DQB1* : 02:02:01, 06:03:01
	DPB1* : 03:01, 20:01:01
	E : 01:01, 01:03