

人胚肾成纤维细胞系 (HMSC-WJ) | 300685

细胞系名称

Description 人胚肾成纤维细胞系 (HMSC-WJ) 是一种永生化细胞系，由人胚肾组织衍生而来。该细胞系具有无限增殖能力，并保留了成纤维细胞的典型特征，如接触抑制和铺展形态。HMSC-WJ 细胞系在多种实验模型中广泛应用，特别是在研究细胞增殖、分化和衰老过程中具有重要价值。该细胞系的建立为研究人类成纤维细胞的生物学特性提供了理想的工具。

Organism 人

Tissue 人胚肾 - 成纤维细胞

细胞特性

Growth properties 贴壁生长

细胞来源

Citation 人胚肾成纤维细胞系 (HMSC-WJ) (ATCC CCL-221) (Cytion 300685)

Biosafety level 1

NCBI_TaxID 9606

细胞培养条件

培养基

Culture Medium MEM, w: 2.0 mM 葡萄糖, w/o: 血清, w/o: 胰岛素, w: 1.0 mM 胰岛素, w: 2.2g

Supplements 10% FBS, 2 ng/mL bFGF

Dissociation Reagent 胰蛋白酶

Subculturing 细胞在达到 80-90% 汇合度时进行传代。使用胰蛋白酶消化 3-5 分钟，离心后重悬于新鲜培养基中。建议按 1:3 的比例传代。

**Human Embryonic Kidney (HEK293T) - 30 (HMSC-WJ) | 30
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**Freeze
medium**

Freezing medium: 80% FBS + 10% DMEM + 10% DMSO, CM-1 (100% FBS)

**Thawing and
Culturing Cells**

1. Thaw cells quickly in a water bath at 37°C, transfer to a pre-warmed tube, and add 10 ml of DMEM.
2. Centrifuge at 300 x g for 5 minutes, remove the supernatant, and resuspend the pellet in 10 ml of DMEM.
3. Seed cells into a 25 cm² flask containing 10 ml of DMEM.
4. Incubate cells in a humidified CO₂ incubator at 37°C.
5. Once cells reach 70-80% confluency, passage them into a new flask.
6. Split ratio: 1:3 to 1:10.
7. Media change: Every 2-3 days.
8. Harvest cells when they reach 80-90% confluency.

**Incubation
Atmosphere**

37°C, 5% CO₂, humidified

Flask Coating

Not required for this cell line.

**Freezing
Procedure**

Freeze cells in a pre-cooled vial containing 1 ml of freezing medium at -80°C.

**Shipping
Conditions**

Ship cells in a dry ice container at -78°C.

**Storage
Conditions**

Store cells in a liquid nitrogen container at -150 to -196°C.

HEK293T / HEK293T / HLA

Product sheet

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Sterility

PCR