

人胚肺细胞 MRC-5 说明书

目录号: SCSP- 5040

细胞名称: MRC-5

细胞描述: 这株细胞取自 14 周男性胎儿的正常肺部组织, 由 J.P.Jacobs 于 1966 年建系。
正常染色体, 常染色体 46 条概率为 70%。染色体多倍概率为 3.6%。

物种: 人, 男性, 14 周胎儿

组织: 肺

细胞来源: 2018 年引进

生物安全等级: BSL-1

参考传代周期: 5 天左右

参考传代比例: 1:2-1:4

参考换液频率: 每周 1-2 次

冻存液配方: 完全培养液 95%, DMSO 5%

细胞状态: 成纤维细胞样, 贴壁生长

支原体检测结果: 阴性

STR 鉴定结果:

Amelogenin: X,Y

D5S818: 11,12

D13S317: 11,14

D7S820: 10,11

D16S539: 9,11

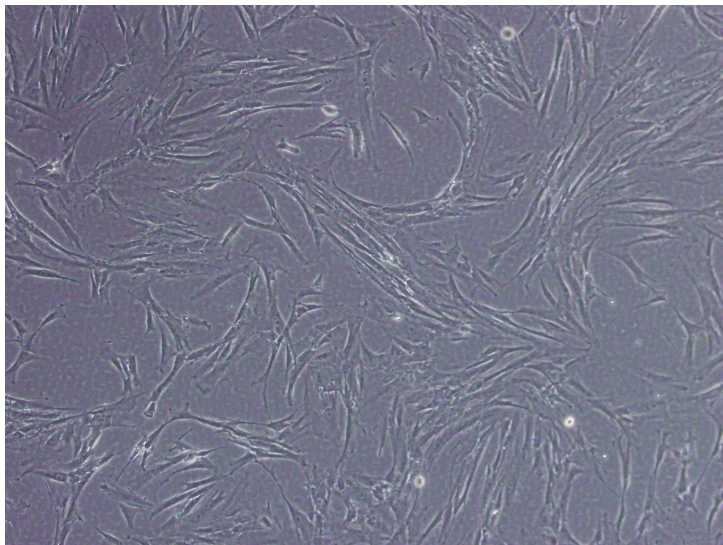
TH01: 8

TPOX: 6,8

vWA: 15

CSF1PO: 11,12

MRC-5 细胞照片:



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Standard Test Method for Determining the Virus-Eliminating Effectiveness of Liquid Hygienic Handwash and Handrub Agents Using the Fingerpads of Adult Volunteers. West Conshohocken, PA:ASTM International;ASTM Standard Test Method E 1838-02.

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Standard Quantitative Disk Carrier Test Method for Determining the Bactericidal, Virucidal, Fungicidal, Mycobactericidal and Sporocidal Activities of Liquid Chemical Germicides. West Conshohocken, PA:ASTM International;ASTM Standard Test Method E 2197-02.

备注:

1. 人胚肺细胞 MRC-5 完全培养液配方 (100 ml):

MEM (Invitrogen, 11090-081)	87 ml
FBS (Gibco)	10 ml
Gluta-max (Gibco, 35050061)	1 ml
NEAA (Gibco, 11140050)	1 ml
Sodium pyruvate (Gibco, 11360070)	1 ml

2. 我库冻存时, 每支冻存管约含 1×10^6 细胞量, 体积为 $500 \mu\text{l}$, 预期存活率 70% , 建议复苏至 1 个 T25 培养瓶中。

3. 注意事项:

- (1) 该细胞对 DMSO 敏感, 故复苏时应离心去处冷冻剂后再培养。
- (2) 据报道该细胞凋亡前能进行 42-46 次群体倍增。所以, 应注意不能长期传代培养。

中国科学院典型培养物保藏委员会细胞库/干细胞库