

## 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

**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

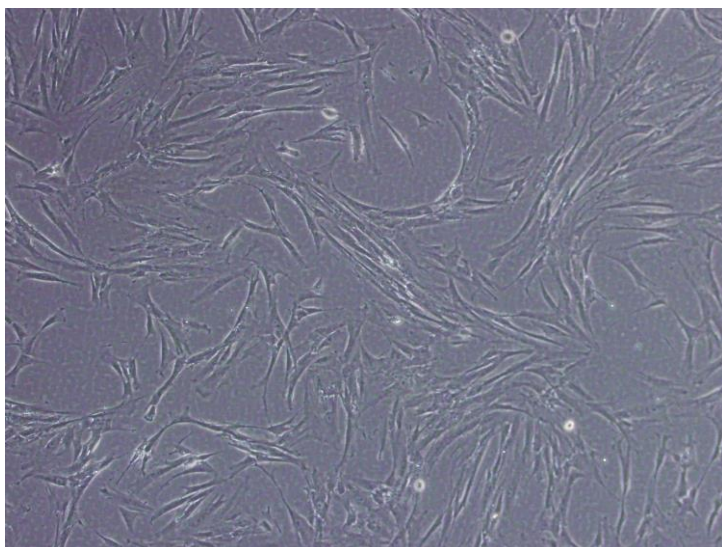
TH01: 8

TPOX: 6,8

vWA: 15

CSF1PO: 11,12

### MRC-5 细胞照片:



### 参考文献:

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Holliday R, Tarrant GM. Altered enzymes in ageing human fibroblasts. *Nature* 238: 26-30, 1972. PubMed: 12635262

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Landers JE, et al. Translational enhancement of mdm2 oncogene expression in human tumor cells containing a stabilized wild-type p53 protein. *Cancer Res.* 57: 3562-3568, 1997. PubMed: 9270029

Kaur A, et al. Cytotoxic T-lymphocyte responses to cytomegalovirus in normal and simian immunodeficiency virus-infected Rhesus macaques. *J. Virol.* 70: 7725-7733, 1996. PubMed: 8892893

Biological evaluation of medical devices. Part 5: Tests for in vitro cytotoxicity. Sydney, NSW, Australia:Standards Australia;Standards Australia AS ISO 10993.5-2002.

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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.

Standard Test Method for Evaluation of Handwashing Formulation for Virus-Eliminating Activity using the Entire Hand. West Conshohocken, PA:ASTM International;ASTM Standard Test Method E 2011-99.

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 (目录号: SCSP-651) 配方:

MEM 培养基 (Gibco, 货号 11095080): 89%

胎牛血清 FBS (Gibco): 10%

非必需氨基酸溶液 NEAA (Gibco, 货号 11140050): 1%

2. 我库冻存时, 每支冻存管约含  $1 \times 10^6$  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) 该细胞为有限细胞系, 最多传代至 P23-P25 (与培养方式和血清质量有关), 之后细胞增殖缓慢。建议少量扩增并尽快用于实验。



中国科学院典型培养物保藏委员会细胞库/干细胞库