

人结肠腺癌细胞 SW480 [SW-480]说明书

目录号: SCSP-5033

细胞名称: SW480 [SW-480]

细胞描述: SW480 和 SW620 取自同一患者, SW480 是原发性结肠腺癌。CSAp 和结肠抗原 3 阴性。角蛋白免疫过氧化物酶染色阳性。p53 基因第 273 位密码子的 G -> A 突变导致 Arg -> His 替代, 309 位密码子的 C -> T 突变导致 Pro -> Ser 替代。细胞 p53 蛋白表达水平升高。致癌基因 c-myc, K-ras, H-ras, N-ras, myb, sis 和 fos 的表达呈阳性。未检测到致癌基因 N-myc 的表达。不表达细胞溶解酶, 一种与肿瘤入侵相关的金属蛋白酶。有报道称该细胞表达 GM-CSF。无 CO₂ 培养。

物种: 白人, 男性, 50 岁

组织: 结肠

细胞来源: 2017 年引进

生物安全等级: BSL-1

完全培养液配方: 见下方备注。无 CO₂ 培养

批次/冻存日期: 详见 冻存管/培养瓶 标识

参考传代比例: 1:3

参考传代周期: 4-5 天

参考换液频率: 每周 2 次

冻存液配方: 完全培养液 95%, DMSO 5%

细胞形态: 贴壁生长, 无 CO₂ 培养

支原体检测结果: 阴性

STR 鉴定结果:

D5S818: 13

D13S317: 12

D7S820: 8

D16S539: 13

vWA: 16

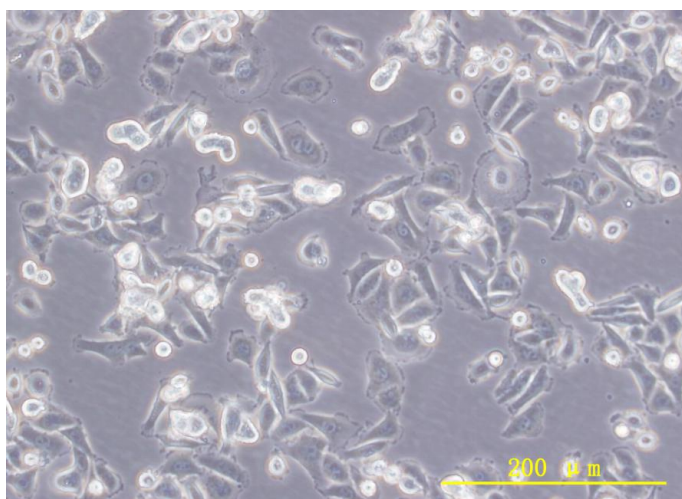
THO1: 8

Amelogenin: X

TPOX: 11

CSF1PO: 13,14

SW480 [SW-480] 细胞照片



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备注:

1. 人结肠腺癌细胞 SW480 [SW-480]完全培养液配方 (100 ml) :

L-15 (Hyclone, SH30525.01 或 Invitrogen 11415-064) 90 ml

FBS (Gibco) 10 ml

无 CO₂ 培养, 100%空气培养。

2. 我库冻存时, 每支冻存管约含 7×10^5 细胞量, 体积为 500 μ l, 预期存活率 70%, 建议复苏至 1 个 T25 培养瓶中。

中国科学院典型培养物保藏委员会细胞库/干细胞库