

人肝癌细胞 Hep G2 [HEPG2]说明书

目录号: SCSP-510

细胞名称: Hep G2 [HEPG2]

细胞描述: 人肝癌细胞 Hep G2 [HEPG2]来源于一个 15 岁的白人男性肝癌患者。该细胞表达 3-羟基-3-甲基戊二酰还原酶 (3-hydroxy-3-methylglutaryl-CoA) 和肝脏三酰甘油脂肪酶 (hepatic triglyceride lipase) 活性。此细胞不携带乙肝病毒基因组。

物种: 白人, 男性, 15 岁

组织: 肝

细胞来源: 资源库留存

生物安全等级: BSL-1

完全培养液配方: 见下方备注

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: 4-6 天

参考换液频率: 3-4 天

冻存液配方: 完全培养液 95%, DMSO 5%

细胞形态: 贴壁生长

支原体检测结果: 阴性

STR 鉴定结果:

D5S818: 11,12

D13S317: 9,13

D7S820: 10,10

D16S539: 12,12

vWA: 17,17

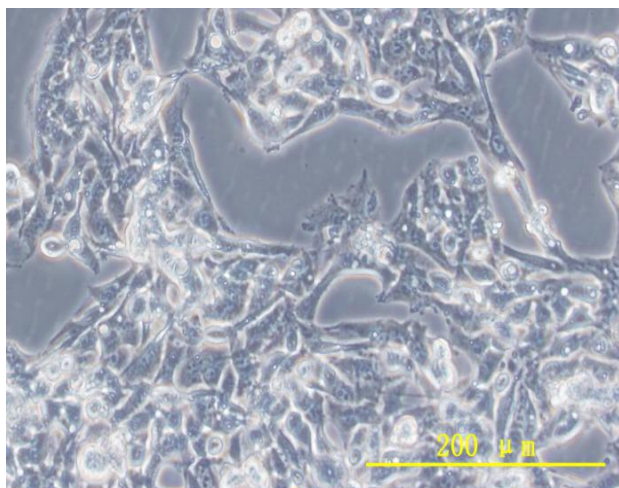
THO1: 9,9

Amelogenin: X,Y

TPOX: 8,9

CSF1PO: 10,11

Hep G2 [HEPG2]细胞照片:



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备注:

1. 人肝癌细胞 Hep G2 [HEPG2]完全培养液 配方 (100 ml) :

MEM (Invitrogen, 11090081)	87 ml
FBS (Gibco)	10 ml
Glutamax (Invitrogen 35050061)	1 ml
Non-essential Amino Acids, 100× (Invitrogen, 11140050)	1 ml
Sodium Pyruvate 100 mM Solution (Invitrogen 11360070)	1 ml

2. Hep G2 [HEPG2]对培养条件要求较严格,特别是 pH 值和血清质量,否则可能影响细胞凝集数量,应使用高质量低内毒素,未灭火的胎牛血清,可以帮助圆形

的细胞丛簇更好的贴壁及形成单层细胞。细胞内容易有空泡，特别是在融合时。

3. 我库冻存时，每支冻存管约含 7×10^5 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。

中国科学院典型培养物保藏委员会细胞库/干细胞库