

## 人肾腺癌细胞 ACHN 说明书

**目录号:** SCSP-5063

**细胞名称:** ACHN

**细胞描述:** 细胞株始建于 1979 年 11 月, 源于一名 22 岁的白种人男性恶性胸腔积液, 他患有广泛转移的肾腺癌。该细胞的生长受到人干扰素抑制, 应用于人干扰素或干扰素诱导物的抗增殖研究。

**物种:** 白人, 男性, 22 岁

**组织:** 肾脏; 来源于转移灶: 胸腔积液

**细胞来源:** 2019 年引进

**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:** 1:2-1:3

**参考传代周期:** 3-5 天

**参考换液频率:** 每周 3 次

**冻存液配方:** 完全培养液 95%, DMSO 5%

**细胞形态:** 上皮样, 贴壁生长

**支原体检测结果:** 阴性

**STR 鉴定结果:**

Amelogenin: X,Y

CSF1PO: 11

D13S317: 12

D16S539: 12,13

D5S818: 12

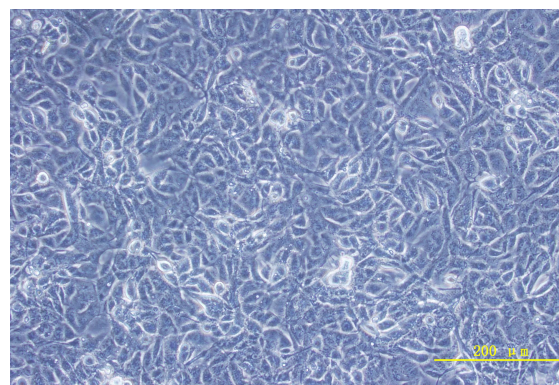
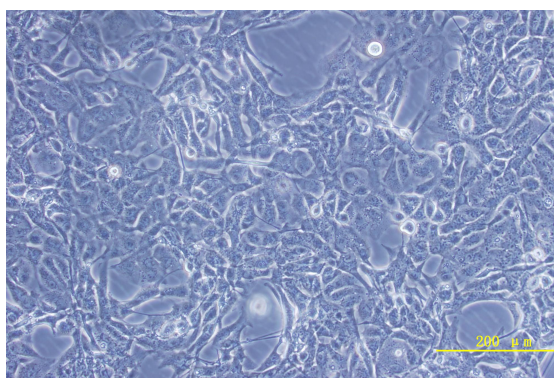
D7S820: 9,11

TH01:8

TPOX: 8,11

vWA: 16,17

## ACHN 细胞照片:



## 参考文献:

Tumors developed within 21 days at 100% frequency (5/5) in nude mice inoculated subcutaneously with 10(7) cells

The ACHN cell line was initiated in November, 1979 from the malignant pleural effusion of a 22-year-old Caucasian male with widely metastatic renal adenocarcinoma (autopsy confirmed). Cells were seeded directly to culture flasks in Eagle's MEM with 10% FBS, then maintained and passaged 150 days in flasks. Cells were then inoculated subcutaneously into nude mice. After 4 weeks, palpable, locally invasive tumors were noted. Both the original cells (ACHN) and those recovered from nude mouse tumors were growth-inhibited by human interferons.

Kochevar J. Blockage of autonomous growth of ACHN cells by anti-renal cell carcinoma monoclonal antibody 5F4. Cancer Res. 20: 2968-2972, 1990. PubMed: 2334900

## 备注:

### 1. 人肾腺癌细胞 ACHN 完全培养液配方 (100 ml) :

MEM (Gibco, 110900081)	87 ml
Glutamax (Gibco, 35050061)	1 ml
Sodium Pyruvate 100 mM Solution (Invitrogen, 11360070)	1 ml
Non-essential Amino Acids, 100× (Invitrogen, 11140050)	1 ml
FBS (Gibco)	10 ml

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。

2. 生长受到人类干扰素抑制。

中国科学院典型培养物保藏委员会细胞库/干细胞库