

FAMPAC-A | 300310

General information

Description	PA-CLS 13A is a cell line derived from FAMPAC. It is a highly tumorigenic cell line that grows in the presence of 43% oxygen and is highly tumorigenic in vivo.
Organism	Human
Tissue	Colon
Disease	Colorectal cancer
Synonyms	PA-CLS-13A, PA-CLS 13A

Cell characteristics

Age	43 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Adherent

Cell line identification

Citation	FAMPAC-A (Cytion 300310)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_5750

Antigen expression

Antigen expression	FAMPAC-A cells express Kras G12V (GGT(Gly)>GTT(Val))
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Product sheet

HEK293T FAMPAC-A | 300310

Tumorigenic	Yes, tumorigenic in SCID-hu, non-tumorigenic in nude
Karyotype	46, XY
HEK293T	
Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L D-glucose, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM sodium pyruvate, w: 1.2 g/L NaHCO ₃ 820400a)
Supplements	Insulin 5 µg/ml, transferrin 5 µg/ml, selenium 5 ng/ml, 10% FBS
Dissociation Reagent	Trypsin
Doubling time	32 hours
Subculturing	Cells are grown in 96-well plates at a density of 100,000 cells per well in 100 µl of medium. Cells are grown in T25 flasks at a density of 100,000 cells per flask in 10 ml of medium. Cells are grown in 3 flasks at a density of 100,000 cells per flask in 10 ml of medium. Cells are grown in 3 flasks at a density of 100,000 cells per flask in 10 ml of medium.
Fluid renewal	2 to 3 times per week
Post-Thaw Recovery	Cells are grown in 96-well plates at a density of 100,000 cells per well in 100 µl of medium. Cells are grown in T25 flasks at a density of 100,000 cells per flask in 10 ml of medium. Cells are grown in 3 flasks at a density of 100,000 cells per flask in 10 ml of medium. Cells are grown in 3 flasks at a density of 100,000 cells per flask in 10 ml of medium.
Freeze medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L D-glucose, w: 2.5 mM L-glutamine, w: 15 mM HEPES, w: 0.5 mM sodium pyruvate, w: 1.2 g/L NaHCO ₃ 820400a) (10% FBS) + 10% DMSO

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**Thawing and
Culturing Cells**

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，将细胞培养瓶置于37°C CO₂培养箱中培养。
2. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，将细胞培养瓶置于-150°C 液氮中冷冻保存，将细胞培养瓶从液氮中取出，将细胞培养瓶置于室温下解冻。
3. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，将细胞培养瓶置于37°C CO₂培养箱中培养。
4. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，将细胞培养瓶置于70% 相对湿度下培养。
5. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，将细胞培养瓶置于15 μm 孔径 8 μm 厚度的细胞培养瓶中培养。
6. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，将细胞培养瓶置于300 x g 离心3 分钟，将细胞培养瓶置于室温下解冻。
7. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，将细胞培养瓶置于10 μm 孔径 8 μm 厚度的细胞培养瓶中培养。
8. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，将细胞培养瓶置于-150°C 液氮中冷冻保存，将细胞培养瓶从液氮中取出，将细胞培养瓶置于室温下解冻。

**Incubation
Atmosphere**

37°C, 5% CO₂, 相对湿度 70%

Flask Coating

无涂层

**Freezing
Procedure**

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，将细胞培养瓶置于-150°C 液氮中冷冻保存，将细胞培养瓶从液氮中取出，将细胞培养瓶置于室温下解冻。

**Shipping
Conditions**

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，将细胞培养瓶置于-150°C 液氮中冷冻保存，将细胞培养瓶从液氮中取出，将细胞培养瓶置于室温下解冻。

**Storage
Conditions**

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，将细胞培养瓶置于-150°C 液氮中冷冻保存，将细胞培养瓶从液氮中取出，将细胞培养瓶置于室温下解冻。

细胞培养

Sterility

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，将细胞培养瓶置于-150°C 液氮中冷冻保存，将细胞培养瓶从液氮中取出，将细胞培养瓶置于室温下解冻。