

HK/FDC | 300205

General information

Description	HK/FDC is a cell line derived from a patient with B-cell acute lymphoblastic leukemia (ALL). It is characterized by the presence of the BCR-ABL1 fusion gene, which is a hallmark of Philadelphia chromosome-positive ALL. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin.
Organism	Human
Tissue	Leukemia
Disease	B-cell acute lymphoblastic leukemia (ALL)
Metastatic site	Not applicable (cell line derived from primary tumor)
Applications	Used for studying the biology of B-cell ALL, drug screening, and investigating the role of BCR-ABL1 in leukemia pathogenesis.

Characteristics

Age	Not applicable (cell line)
Gender	Not applicable (cell line)
Ethnicity	Not applicable (cell line)
Morphology	Leukemic cells
Cell type	B-cell acute lymphoblastic leukemia (ALL)
Growth properties	Not applicable (cell line)

References and identifiers

Citation	HK/FDC (Cytion 300205)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_IY38

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GMO Status GMO-S1: HK/FDC, , (Cytion/Inscreenex).

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Viruses Cytion, Inscreenex i.A.

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L , w: 2.5 mM L-, w: 15 mM HEPES, w: 0.5 mM , w: 1.2 g/L NaHCO3 820400a)

Supplements 10% FBS

Dissociation Reagent

Doubling time 24 48

Split ratio 1 3

Seeding density 1 3 × 10⁴ /

Fluid renewal 2 3

Freeze medium , (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，避免产生气泡。
2. 将细胞培养瓶置于 37°C 孵育箱中，静置 15 分钟，使细胞适应新环境。
3. 将细胞培养瓶置于 37°C 孵育箱中，静置 15 分钟，使细胞适应新环境。
4. 将细胞培养瓶置于 37°C 孵育箱中，静置 15 分钟，使细胞适应新环境。
5. 将细胞培养瓶置于 37°C 孵育箱中，静置 15 分钟，使细胞适应新环境。
6. 将细胞培养瓶置于 37°C 孵育箱中，静置 15 分钟，使细胞适应新环境。
7. 将细胞培养瓶置于 37°C 孵育箱中，静置 15 分钟，使细胞适应新环境。
8. 将细胞培养瓶置于 37°C 孵育箱中，静置 15 分钟，使细胞适应新环境。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

Freezing
Procedure

将细胞悬液缓慢加入含有冷冻保护剂的细胞培养瓶中，轻轻混匀，避免产生气泡。

Shipping
Conditions

将细胞培养瓶置于冰袋中，保持低温，避免光照。

Storage
Conditions

将细胞培养瓶置于 -150°C 超低温冰箱中，保存 196 小时。

Sterility

本产品经过严格的灭菌处理，符合 GMP 标准。本产品不含任何抗生素、血清、生长因子等成分，适用于各种细胞培养实验。