

CCK-81 | 305757

Cell Line

Description	CCK-81 is a human breast cancer cell line, established from a primary tumor. It is characterized by its high growth rate and sensitivity to various chemotherapeutic agents. CCK-81 is listed in the Cancer Cell Line Encyclopedia (CCLE), and its growth is regulated by the MAPK signaling pathway.
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Organism	Human
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Tissue	Breast
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Disease	Breast cancer
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Metastatic site	Metastatic
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Synonyms	CCK81
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Cell Line Properties

Age	62 years
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Gender	Female
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Ethnicity	White
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Growth properties	Adherent
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Cell Line Identification

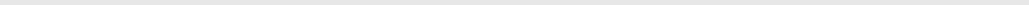
Citation	CCK-81 (Cytion: 305757)
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Biosafety level	1
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NCBI_TaxID	9606
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CellosaurusAccession	CVCL_2873
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Cell Line Maintenance

Mutational profile  FBXW7,  p.Arg465Cys (c.1393C>T),  (DepMap=ACH-000963).  PIK3CA,  p.Cys420Arg (000963).  TP53,  p.Pro278His (c.833C>A), 

Culture Medium	EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO ₃ , w: EBSS (XXXXX XXXXXXXX Cytion 820100a)
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**Dissociation
Reagent**

Subculturing

When the cells reach confluence, they can be subcultured into fresh medium. To do this, the cells are trypsinized and resuspended in medium. The cells are then seeded into a new well of a 96-well plate. The medium is replaced with fresh medium every 3-5 days. The cells are typically grown in DMEM supplemented with 10% FBS, 100 U/ml penicillin, 100 U/ml streptomycin, and 100 U/ml nystatin.

Seeding density $1 \times 3 \times 10^4$ seeds/m²

[illegible]

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**Thawing and
Culturing Cells**

1. 将细胞冻存管放入 37°C 水浴中快速解冻，解冻后立即将细胞悬液转移到含有 1 mL 培养基的细胞培养瓶中，轻轻混匀。
2. 将细胞悬液转移到含有 1 mL 培养基的细胞培养瓶中，轻轻混匀。将细胞悬液在 150°C 下离心 5 分钟，弃去上清液，将细胞沉淀重悬于 1 mL 培养基中。
3. 将细胞悬液转移到含有 1 mL 培养基的细胞培养瓶中，轻轻混匀。将细胞悬液在 37°C 下培养 24 小时，使细胞适应新的培养环境。
4. 将细胞悬液转移到含有 1 mL 培养基的细胞培养瓶中，轻轻混匀。将细胞悬液在 70% 湿度下培养。
5. 将细胞悬液转移到含有 1 mL 培养基的细胞培养瓶中，轻轻混匀。将细胞悬液在 15 mL 和 8 mL 的细胞培养瓶中培养。
6. 将细胞悬液转移到含有 1 mL 培养基的细胞培养瓶中，轻轻混匀。将细胞悬液在 300 x g 离心 3 分钟，弃去上清液，将细胞沉淀重悬于 1 mL 培养基中。
7. 将细胞悬液转移到含有 1 mL 培养基的细胞培养瓶中，轻轻混匀。将细胞悬液在 10 mL 和 10 mL 的细胞培养瓶中培养。
8. 将细胞悬液转移到含有 1 mL 培养基的细胞培养瓶中，轻轻混匀。将细胞悬液在 10 mL 和 10 mL 的细胞培养瓶中培养。

**Incubation
Atmosphere**

37°C, 5% CO₂, 饱和湿度

**Shipping
Conditions**

细胞冻存管应储存在 -80°C 以下，运输过程中应保持在 -80°C 以下。

**Storage
Conditions**

细胞冻存管应储存在 -80°C 以下，运输过程中应保持在 -80°C 以下。

细胞冻存管

Sterility

细胞冻存管应储存在 -80°C 以下，运输过程中应保持在 -80°C 以下。