

Calu-3 | 305032

General information

Description	Calu-3 is a human lung adenocarcinoma cell line established from a 25-year-old male in 1975. It is characterized by high tumorigenicity, growth in anchorage dependence, and resistance to anoikis. Calu-3 cells are highly invasive and metastatic, forming nodules in lung, liver, and brain. Calu-3, a highly tumorigenic cell line, is characterized by high tumorigenicity, growth in anchorage dependence, and resistance to anoikis. Calu-3 is a highly tumorigenic cell line, characterized by high tumorigenicity, growth in anchorage dependence, and resistance to anoikis. Calu-3 is a highly tumorigenic cell line, characterized by high tumorigenicity, growth in anchorage dependence, and resistance to anoikis.
Organism	Human
Tissue	Lung adenocarcinoma
Disease	Lung adenocarcinoma
Metastatic site	Lung, liver, brain
Synonyms	CaLu-3, CALU-3, Calu 3, Calu3, CALU3

Cell characteristics

Age	25 years
Gender	Male
Morphology	Epithelial
Growth properties	Adherent

Cell authentication and safety

Citation	Calu-3 (ATCC CCL-22) Cytion 305032
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0609

Product sheet

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Cell line: Calu-3

Protein expression	HER2, A, Rh
Antigen expression	HER2, A, Rh
Tumorigenic	Yes

Media

Culture Medium	EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO ₃ , w: EBSS (Cytion 820100a)
Supplements	10% FBS + 1% NEAA
Dissociation Reagent	Trypsin
Subculturing	Cells are grown in 96-well plates. Cells are harvested by adding 100 µl of PBS and 10 µl of 0.25% trypsin. Cells are incubated for 5-10 minutes at 37°C. Cells are then washed with PBS and resuspended in 100 µl of PBS. Cells are then counted and seeded into new plates.
Fluid renewal	2-3 times per week
Freeze medium	Cells are grown in 96-well plates. Cells are harvested by adding 100 µl of PBS and 10 µl of 0.25% trypsin. Cells are incubated for 5-10 minutes at 37°C. Cells are then washed with PBS and resuspended in 100 µl of PBS. Cells are then counted and seeded into new plates.

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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 10 mL 完全培养基的 T25 培养瓶中，轻轻混匀。
2. 将细胞悬液转移到含有 10 mL 完全培养基的 T25 培养瓶中，轻轻混匀。将培养瓶放入 37°C、5% CO₂ 培养箱中培养。
3. 细胞贴壁后，将培养基更换为新鲜完全培养基，继续培养。
4. 细胞贴壁后，将培养基更换为新鲜完全培养基，继续培养。
5. 细胞贴壁后，将培养基更换为新鲜完全培养基，继续培养。
6. 细胞贴壁后，将培养基更换为新鲜完全培养基，继续培养。
7. 细胞贴壁后，将培养基更换为新鲜完全培养基，继续培养。
8. 细胞贴壁后，将培养基更换为新鲜完全培养基，继续培养。

**Incubation
Atmosphere**

37°C, 5% CO₂, 饱和湿度

Flask Coating

细胞贴壁前，将培养瓶用 0.1% 明胶溶液预涂层。

**Freezing
Procedure**

将细胞悬液转移到含有 1 mL 完全培养基的冻存管中，轻轻混匀。将冻存管放入 -80°C 冰箱中冷冻。

**Shipping
Conditions**

将细胞冻存管放入干冰中，密封后放入保温箱中，在 -80°C 条件下运输。

**Storage
Conditions**

细胞冻存管应在 -80°C 以下长期保存。

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Sterility

细胞冻存管在运输过程中应保持密封，防止污染。使用前，请检查冻存管是否有破损或泄漏。