

Calu-3 | 305032

Calu-3

Description	Calu-3 is a human breast cancer cell line derived from a metastatic site. It is characterized by its ability to form mammary-like structures in vitro and its sensitivity to anti-HER2/neu therapy. Calu-3 cells are used for studying breast cancer biology and drug response.
Organism	Human
Tissue	Adipose
Disease	Breast cancer
Metastatic site	Adipose
Synonyms	CaLu-3, CALU-3, Calu 3, Calu3, CALU3

Calu-3

Age	25
Gender	Male
Morphology	Epithelial
Growth properties	Adipogenic

Calu-3

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

Product sheet

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General information

Protein expression	A, Rh+
Antigen expression	A, Rh+
Tumorigenic	

Media and reagents

Culture Medium	EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO3, w: EBSS (Cytion 820100a)
Supplements	FBS 10% NEAA 1%
Dissociation Reagent	
Subculturing	PBS T25
Fluid renewal	2 3
Freeze medium	(FBS) + 10% DMSO

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Thawing and
Culturing Cells

1. Thaw cells quickly at 37°C.
2. Resuspend cells in cryovial cryovial -150 µl.
3. Seed cells into a 96-well plate at 37°C.
4. Incubate cells for 70% confluency.
5. Seed cells into a 96-well plate at 15 µl.
6. Incubate cells for 300 x g 3 min.
7. Incubate cells for 10 min.
8. Incubate cells for 10 min.

Incubation
Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

None

Freezing
Procedure

Freeze cells in cryovial at -150 µl.

Shipping
Conditions

Ship cells in cryovial at -150 µl.

Storage
Conditions

Store cells in cryovial at -150 µl -196 °C.

Sterility

Cells are tested for sterility by PCR. Cells are tested for sterility by PCR. Cells are tested for sterility by PCR.