

NCI-H209 | 300183

General Information

Description	NCI-H209 is a cell line derived from a human breast cancer cell line (MCF-7) in 1979. It is a derivative of MCF-7 cells with a Cys->Phe mutation.
Organism	Human
Tissue	Breast
Disease	Breast cancer
Metastatic site	Not specified
Synonyms	H209, H209, H-209, NCIH209

Cell Line Characteristics

Age	55 days
Gender	Not specified
Ethnicity	Not specified
Morphology	Epithelial
Growth properties	Not specified

References and Accession

Citation	NCI-H209 (ATCC CCL-1525) 300183
Biosafety level	1
NCBI_TaxID	9606
CellSaurusAccession	CVCL_1525

Additional Information

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Protein expression P53

Isoenzymes G6PD, B, PGM1, 1-2, PGM3, 1, ES-D, 1, Me-2, 0, AK-1, 1, 1, GLO-1, 1-2 = 0.0624

Tumorigenic

Products p53

Culture Medium RPMI 1640 2.0 2.0 NaHCO3 (820700a)

Supplements 10% FBS

Subculturing PBS

Split ratio 1:2 1:3

Seeding density 1 x 10⁵

Fluid renewal 2-3

Freeze medium (FBS) + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 10 ml of pre-warmed medium.
3. Seed the cells into a T75 flask containing 37 ml of pre-warmed medium.
4. Incubate the cells at 37°C in a humidified atmosphere of 5% CO₂. The cells should reach 70% confluency within 7-10 days.
5. Once the cells reach 70% confluency, they can be passaged into a T75 flask containing 37 ml of pre-warmed medium.
6. Seed the cells into a T75 flask containing 37 ml of pre-warmed medium.
7. Incubate the cells at 37°C in a humidified atmosphere of 5% CO₂. The cells should reach 70% confluency within 7-10 days.
8. Once the cells reach 70% confluency, they can be passaged into a T75 flask containing 37 ml of pre-warmed medium.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating None

Freezing Procedure Harvest cells into a T75 flask containing 37 ml of pre-warmed medium. Seed the cells into a T75 flask containing 37 ml of pre-warmed medium. Incubate the cells at 37°C in a humidified atmosphere of 5% CO₂. The cells should reach 70% confluency within 7-10 days.

Shipping Conditions Dry ice, -78°C

Storage Conditions -150°C to -196°C

NCI-H209 / HLA

Sterility The cells are free of mycoplasma contamination as determined by PCR.

XXXXXXXX NCI-H209 | 300183

XXXXXXXX XXXXXXXXXXXX STRAmelogenin: xXx

CSF1PO: 11
D13S317: 11
D16S539: 9X12
D5S818: 12
D7S820: 9
TH01: 7,9
TPOX: 8
vWA: 18X19
D3S1358: 18
D21S11: 32.2
D18S51: 13
Penta E: 11X12
Penta D: 11X12
D8S1179: 12X13
FGA: 20X24

XXXXXXXX HLA

A*: '02:01:01, '34:02:01
B*: '14:01:01, '40:01:02
C*: '03:04:01, '08:02:01
DRB1*: '04:05:01, '15:01:01G
DQA1*: '01:02:01, '03:03:01
DQB1*: '03:02:01, '06:02:01
DPB1*: '03:01:01:01XX'04:01:01:01X
E: '01:01:01, '01:03