

Product sheet

XXXXXXXX NCI-H2087 | 305824

XXXXXXXXXX XXXXX

Description NCI-H2087 is a cell line derived from a patient with non-small cell lung carcinoma (NSCLC). It is a highly tumorigenic cell line that grows in soft agar and is capable of forming xenografts in immunodeficient mice. NCI-H2087 is a highly tumorigenic cell line that grows in soft agar and is capable of forming xenografts in immunodeficient mice.

Organism HOMO SAPIENS

Tissue LUNG

Disease LUNG ADENOCARCINOMA

Synonyms H2087, H-2087, NCIH2087, H-2087

XXXXXXXXXX

Age 69 years

Gender MALE

Ethnicity CAUCASIAN

Morphology Epithelial cells, adherent

Growth properties High tumorigenicity

XXXXXXXXXX XXXXXXXXXXXXX

Citation NCI-H2087 (NCI Cell Line Development Program 305824)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1524

XXXXXXXXXX XXXXXXXXXXXXX XXXXXXXXXXXXX

Product sheet

NCI-H2087 | 305824

Mutational profile ATM p.Glu848Gln (c.2542G>C) BRAF p.Leu597Val (c.1789C>G) TP53 p.Val157Phe (c.469G>T) p.Val157Phe (c.469G>T)

NCI-H2087

Culture Medium RPMI 1640 2.0 mM NaHCO3 (820700a)

Supplements 51 mM

Dissociation Reagent

Seeding density 4×10^4 /

Freeze medium + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath.
2. Add cells to a pre-warmed medium.
3. Incubate cells for 37 hours.
4. Seed cells into a 70% confluent well.
5. Incubate cells for 15 days.
6. Seed cells into a 200 x 5 mm flask.
7. Incubate cells for 5 days.

Incubation Atmosphere 37°C

Flask Coating

