# NCI-H2087

305824

## GENERAL INFORMATION

### Description

NCI-H2087 □□□□□□□□□□□□ (NSCLC) □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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|---|---|
| **Tissue** | □□□ |
| **Disease** | □□□ |

### Synonyms

- H2087
- H-2087
- NCIH2087

## CLASSIFICATION

| | |
|---|---|
| **Organism** | Human |
| **Sex** | Male |
| **Growth properties** | Adherent |
| **Biosafety level** | 1 |

## CHARACTERISTICS

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|---|---|
| **Morphology** | □□□□/□□□ |

## IDENTIFIERS

### Citation

NCI-H2087□Cytion □□□ 305824□

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|---|---|
| **NCBI TaxID** | 9606 |
| **Cellosaurus** | CVCL_1524 |

## EXPRESSION AND SUSCEPTIBILITY

### Mutational profile

□□□ATM□□□□p.Glu848Gln (c.2542G>C)□□□□BRAF□□□□p.Leu597Val (c.1789C>G)□□□□MYC□□□□p.Glu54Lys (c.160G>A)□□□□NRAS□□□□p.Gln61Lys (c.181C>A)G>A□□□□□□NRAS□□□□p.Gln61Lys (c.181C>A)□□□□□TP53□□□□p.Val157Phe (c.469G>T)□□□□

## HANDLING AND CULTURE

### Culture medium

RPMI 1640□w□2.0 mM □□□□□□□w□2.0 g/L NaHCO3□Cytion □□□□ 820700a□□

| | |
|---|---|
| **Incubation atmosphere** | 37°C, 5%CO2, □□□□□ |

**Supplements**

51 □□

| | |
|---|---|
| **Dissociation reagent** | Accutase |
| **Seeding density** | $4 \times 10^4$ □□□/□□□□ |

**Thawing and culturing**

Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit.
Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.
For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.
Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.
Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.
Centrifuge the mixture at 200 x g for 5 minutes, carefully discard the supernatant containing freezing medium.
Follow the procedure described under Post-Thaw Recovery

## QUALITY CONTROL AND CRYOPRESERVATION

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|---|---|
| **Freeze medium** | □□□□□□□□□□□□□□□□□□□□□□□□+10% DMSO□□□□□□□□□□□□□□□ |

**Storage conditions**

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**Shipping conditions**

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## DONOR

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|---|---|
| **Donor age** | 69 □ |
| **Ethnicity** | □□□□ |

## LEGAL AND SAFETY

**Safety precautions**

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**Disclaimer**

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**Warranty**

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| **Material Transfer Agreement required** | Yes |