

Product sheet

NCI-H2444 | 305904

General Information

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|--------------------|--|
| Description | NCI-H2444 is a cell line derived from a patient with Non-Small Cell Lung Cancer (NSCLC). It is a highly tumorigenic cell line that grows in soft agar and is capable of forming xenografts in immunodeficient mice. The cell line is characterized by its ability to form large, multicentric colonies in soft agar and its high tumorigenicity in immunodeficient mice. The cell line is derived from a patient with a primary tumor in the lung and is characterized by its ability to form large, multicentric colonies in soft agar and its high tumorigenicity in immunodeficient mice. The cell line is derived from a patient with a primary tumor in the lung and is characterized by its ability to form large, multicentric colonies in soft agar and its high tumorigenicity in immunodeficient mice. |
| Organism | Human |
| Tissue | Lung |
| Disease | Non-Small Cell Lung Cancer (NSCLC) |
| Synonyms | H2444, H-2444, NCIH244 |

Characteristics

| | |
|--------------------------|----------------|
| Age | Not applicable |
| Gender | Not applicable |
| Ethnicity | Not applicable |
| Morphology | Epithelial |
| Growth properties | Adherent |

Identification

| | |
|-----------------------------|---------------------------|
| Citation | NCI-H2444 (Cytion 305904) |
| Biosafety level | 1 |
| NCBI_TaxID | 9606 |
| CellosaurusAccession | CVCL_1552 |

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NCI-H2444 - NCI-H2444

Mutational profile p.Gly12Val, p.Val600Leu, p.Tyr236Cys, p.Val599Leu

NCI-H2444

Culture Medium RPMI 1640, w: 2.0 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, w: 2.0 g/L NaHCO_3 (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Freeze medium RPMI 1640, w: 2.0 mM $\text{CaCl}_2 \cdot \text{H}_2\text{O}$, w: 2.0 g/L NaHCO_3 (Cytion 820700a) + 10% DMSO + 10% FBS

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a 37°C water bath, then transfer to a 37°C incubator.
 2. Centrifuge at 300 x g for 3 minutes, remove supernatant, and resuspend in 15 ml of fresh medium.
 3. Seed cells into a 25 cm² flask with 10 ml of medium.
 4. Incubate at 37°C in 5% CO₂.
 5. Monitor cell growth and confluency.
 6. Pass cells when they reach 70-80% confluency.
 7. Harvest cells by trypsinization.
 8. Seed cells into a new flask.

Incubation Atmosphere 37°C, 5% CO₂

Shipping Conditions -78°C

