

NCI-H1792 | 305835

General Information

Description	NCI-H1792 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. The cell line is maintained in RPMI-1640 medium supplemented with 10% fetal bovine serum.
Organism	Human
Tissue	Lung
Disease	Non-small cell lung carcinoma
Synonyms	H1792, H1792, H1792, H1792

Characteristics

Age	50 years
Gender	Male
Ethnicity	White
Cell type	Epithelial
Growth properties	Adherent

References and Safety

Citation	NCI-H1792 (ATCC CCL-1495) 305835
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1495

Additional Information

Product sheet

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Mutational profile CDKN2A, Simple, p.Trp110Ter (c.330G>A) (p.Gly125Arg, c.373G>A) KRAS, Simple, p.Gly12Cys (c.35G>A) p.672+1G>A

Cell Line

Culture Medium RPMI 1640 2.0 mM L-glutamine 2.0 mM NaHCO₃ (820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Doubling time 45 days

Fluid renewal 2-3 times per week

Freeze medium RPMI 1640 + 10% DMSO + 10% FBS

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Centrifuge at 300 x g for 3 minutes.
 3. Wash cells in PBS.
 4. Resuspend cells in 70% FBS.
 5. Seed cells into a 15 cm dish.
 6. Incubate for 8 days.
 7. Harvest cells at 10 days.
 8. Store cells in liquid nitrogen.

Incubation Atmosphere 37°C, 5% CO₂

