

Product sheet

NCI-H1792 | 305835

General Information

<b>Description</b>	NCI-H1792 is a cell line derived from a patient with non-small cell lung carcinoma (NSCLC). It is characterized by the presence of a KRAS mutation. The cells are grown in RPMI-1640 medium supplemented with 10% fetal bovine serum (FBS) and 5% CO <sub>2</sub> .
<b>Organism</b>	Human
<b>Tissue</b>	Lung
<b>Disease</b>	Non-small cell lung carcinoma
<b>Synonyms</b>	H1792, H-1792, NCIH1792

Cell Culture

<b>Age</b>	50 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Cell type</b>	Epithelial
<b>Growth properties</b>	Adherent

Identification

<b>Citation</b>	NCI-H1792 (ATCC CCL-1495) Cytion 305835
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_1495

Additional Information

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**Mutational profile** CDKN2A, p.Trp110Ter (c.330G>A) (p.Gly125Arg, c.373G>A), KRAS, p.Gly12Cys (c.330G>A), p.Trp110Ter (c.330G>A)

Cell Line

**Culture Medium** RPMI 1640, w: 2.0 mM Glucose, w: 2.0 g/L NaHCO3 (Cytion 820700a)

**Supplements** 10% FBS

**Dissociation Reagent** Trypsin

**Doubling time** 45 hours

**Fluid renewal** 2 x 3 times per week

**Freeze medium** RPMI 1640, w: 2.0 mM Glucose, w: 2.0 g/L NaHCO3 (Cytion 820700a) + 10% DMSO + 10% FBS

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath, add to a pre-warmed medium.
  2. Centrifuge at 300 x g for 3 minutes, wash with PBS.
  3. Resuspend cells in medium, seed into a 37°C incubator.
  4. Seed cells into a 70% confluent well.
  5. Seed cells into a 15 x 8 cm well.
  6. Seed cells into a 300 x g 3 well.
  7. Seed cells into a 10 x 8 cm well.
  8. Seed cells into a 300 x g 3 well.

**Incubation Atmosphere** 37°C, 5% CO2

