

Product sheet

NCI-H1781 | 305731

General Information

**Description** NCI-H1781 is a cell line derived from a patient with non-small cell lung cancer (NSCLC). It is characterized by the presence of mutations in PI3K/AKT, MAPK, and ERBB2.

**Organism** Human

**Tissue** Lung

**Disease** Non-small cell lung cancer

**Metastatic site** Lung

**Synonyms** H1781, H-1781, H-1781, NCIH1781

Cell Culture

**Age** 66 years

**Gender** Male

**Ethnicity** Caucasian

**Growth properties** Adherent

Identification

**Citation** NCI-H1781 (ATCC CCL-1494) | 305731

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_1494

Additional Information

Product sheet

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**Mutational profile** PTEN, Simple, p.Gln245fs \* 6 (c.735\_735\_739delGCCGGGT) TP53, Simple, p.Val157Phe (c.469G>T)

**Culture Medium** RPMI 1640 2.0 2.0 / NaHCO3 (820700a)

**Supplements** 10% FBS

**Dissociation Reagent**

**Fluid renewal** 2 3

**Freeze medium** (FBS) + 10% DMSO

Thawing and Culturing Cells

1. Add 1 ml of medium to each well.
2. Incubate at 37°C for 24 hours.
3. Add 1 ml of medium to each well.
4. Incubate at 37°C for 70% confluence.
5. Add 1 ml of medium to each well.
6. Incubate at 37°C for 3 days.
7. Add 1 ml of medium to each well.
8. Incubate at 37°C for 10 days.

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

**Flask Coating**

