

NCI-H358

Catalog No: tcel400



Available Sizes

Size: 1×10⁶cells/t25culturebottle



Specifications

Application:

This line was derived by A.F.Gazdar, H.K.Oie, J.D.Minna and associates in 1981 from tumor tissue obtained from a patient prior to initiation of chemotherapy. Ultrastructural studies demonstrated the presence of cytoplasmic structures characteristic of Clara cells.

Subculturing:

Remove and discard culture medium. Briefly rinse the cell layer with DPBS solution to remove all traces of serum that contains trypsin inhibitor. Add 1.0 to 2.0 mL of Trypsin-EDTA solution to flask and observe cells under an inverted microscope until cell layer is dispersed (usually within 2 to 3 minutes). Cells that are difficult to detach may be placed at 37°C to facilitate dispersal. Add 4.0 to 6.0 mL of complete growth medium and aspirate cells by gently pipetting. Add appropriate aliquots of the cell suspension to new culture vessels.

Product Description

Ultrastructural studies demonstrated the presence of cytoplasmic structures characteristic of Clara cells. The cells expressed protein and RNA of SP-A, the major lung surfactant associated protein. SP-B and SP-C RNA was not expressed. They have a reported colony forming efficiency of 0.83% in soft agarose.



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