

ARPE-19

Catalog No: tcel26



Available Sizes

Size: 1×10⁶cells/t25culturebottle



Specifications

Application:

transfection host

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

These cells form stable monolayers, which exhibit morphological and functional polarity. ARPE-19 expresses the RPE-specific markers CRALBP and RPE-65. The cells exhibit morphological polarization when plated on laminin-coated Transwell-COL filters in medium with a low serum concentration. They form tight-junctions with transepithelial resistance of monolayers reaching a maximum of 50 to 100 ohms/cm² after 4 weeks of culture. The cells are diploid and can be carried for over 30 passages. Progeny were found to undergo an additional 48 population doublings in longevity trials performed during characterization at ATCC.



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