CSI034Mu01
Pulmonary Fibroblasts (PF)
Organism Species: Mus musculus (Mouse)
Instruction manual

FOR IN VITRO AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

1st Edition (Revised in Jan, 2016)

[Description]

Product Name: Pulmonary Fibroblasts (PF)

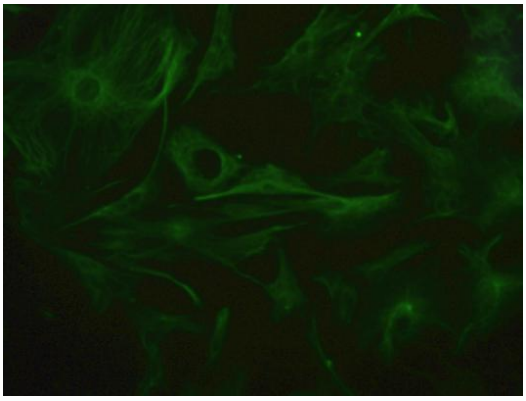
Catalog Number: CSI034Mu01

Tissue Source: Lung tissue

Strain: Balb/c

Disease: Normal

Numbers of Cell: >5×10^5cells



Immunofluorescence Staining (IF) for Vimentin Pulmonary Fibroblasts

[Properties]

Cell Activity： >90%

Cell Adherence: Adherence

Bio-safety: Negative for HIV-1, HBV, HCV, mycoplasma, bacteria, yeast and fungi.

[Contents]

Form & Buffer: Supplied as solution form in cryopreserved medium (liquid nitrogen) or Supplied as solution form in Pericardial Fibroblasts culture Medium (RT).

[Shipping]

Room temperature (T-25 flask) or Dry ice.

[Cell Resuscitation]

1. Place the frozen vial in a 37℃ water bath. Hold and rotate the vial gently until the contents completely thaw. Centrifuge the tube at 1000 rpm for 5mins. Resuspend cells in culture medium. A seeding density of 7,500 cells/cm^2 is recommended.
2. Upon receiving the cells in a T-25 flask at room temperature, immediately disinfect T-25 flask with 75% alcohol, transfer the cells to 37℃, 5% incubator.

Caution: *Cryopreserved cells are very delicate. Thaw the vial in a 37℃ water bath and return the cells to culture as quickly as possible with minimal handling!*

【Subculture】

1. Subculture when the culture reaches 90% confluency. Warm complete medium, Trypsin/EDTA solution (Ca^{2+} and Mg^{2+}-free ,T/E), T/E neutralization solution (TNS), and DPBS (Ca^{2+} and Mg^{2+}-free) to room temperature.
2. Rinse the cells with DPBS. Add 1mL 0.25% T/E solution into culture plate. Gently rock the plate complete coverage of cells by T/E solution. Incubate the plate in a 37℃ incubator for 5 min or until cells completely round up.
3. Add 1 mL TNS solution to the plate and transfer detached cells to the 15 mL centrifuge tube. Rinse the plate with another 2 mL TNS to collect the residual cells. Centrifuge the 15 mL tube at 1000 rpm for 5 min.
4. Resuspend cells in culture medium. Count and plate cells in a new culture plate with the recommended cell density.

Caution: *Handling animal-derived products is potentially biohazardous. Always wear gloves and safety glasses when working with these* materials*.*

【Recommended Medium】

It is recommended to use Pericardial Fibroblasts culture Medium for culturing *in vitro*.