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[Home](#) > Human Lung Fibroblasts: HLF

Human Lung Fibroblasts: HLF

- Description
- Details
- Products
- Resources

MSDS Cryopreserved Cells

Instructions HLF

Cell Apps Flyer Airway Cells

5 Important Cell Culture Rules

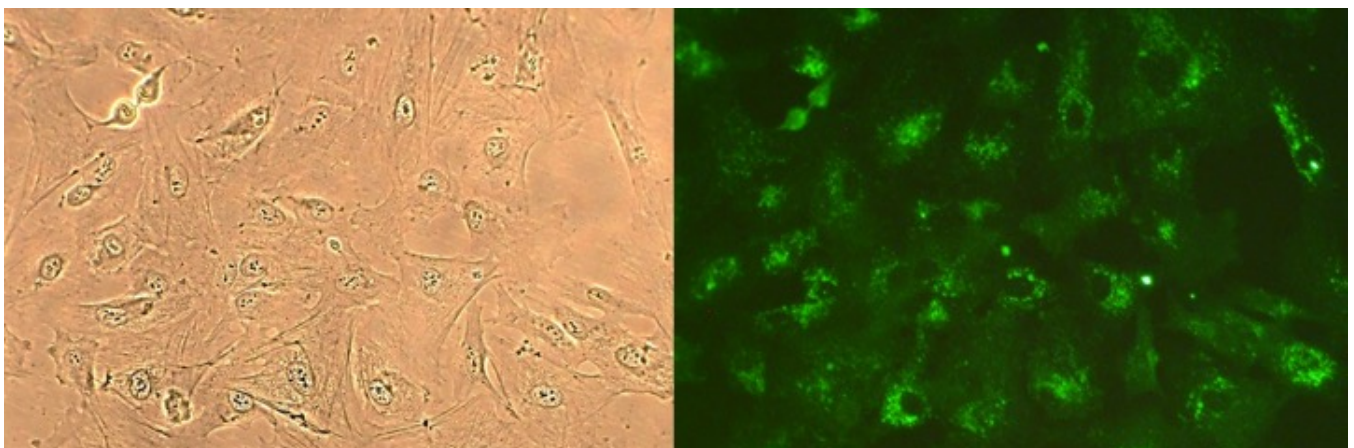
Cell Apps Poster Primary Cells

Description

Human Lung Fibroblasts (HLF) provide an excellent model system to study many aspects of human pulmonary function and pathophysiology.

HLF from Cell Applications, Inc. have been utilized in a number of research publications, for example to demonstrate

- Differential gene expression, cytokines, growth factors and interleukins
- Receptor activation, inhibition and receptor-interacting protein
- Cell behavior changes, including synthesis of collagen and other extracellular matrix molecules, as well as actin reorganization, collagen contraction and fibroblast / myofibroblast trans-differentiation.
- Lung disease, disorders and injury, including hypoxia, tissue rigidity, pulmonary fibrosis and hypertension
- That unwanted cell growth can be inhibited, and that the healing process can be understood and improved



[1]

(Click to Enlarge) **Human Lung Fibroblasts: HLF** (L) immunolabeled for FSP (green) (R).

Details

| | |
|----------------------|--|
| Tissue | Normal healthy human lung parenchyma |
| QC | No bacteria, yeast, fungi, mycoplasma, virus |
| Bioassay | Attach, spread, proliferate in Growth Med |
| Cryovial | 500,000 HLF (1st passage) frozen in in Basal Medium w/ 10% FBS, 10% DMSO |
| Kit | Cryovial frozen HLF (506-05a or 506-05f), Gr Med (516-500), Subcltr Rgnt Kit (090K) |
| Proliferating | Shipped in Gr Med, 2nd psg (flasks or plates) |
| Doublings | At least 12 |
| Applications | Laboratory research use only (RUO). Not for human, clinical, diagnostic or veterinary use. |

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