



RFP-Human Lung Airway Smooth Muscle Cells

Catalog Number: cAP-0121RFP

Company: Angio-Proteomie

Website: <https://www.angioproteomie.com/ccp24231-rfp-human-lung-airway-smooth-muscle-cells-cap-0121rfp.htm>

Product Description

RFP-Human Lung Airway Smooth Muscle Cells (RFP-HLAWSMCs) are isolated from normal human lung small airway tissues. The cells are transduced with lentivirus expressing Red Fluorescent Protein (RFP) and selected with Zeocin. Provided at passage 2, these cells are ideal for research applications in smooth muscle physiology and pharmacology.

Specifications

- Format: Frozen Vial
- Cell Quantity: $\geq 5 \times 10^5$ cells/vial
- Passage Number: Passage 2
- Labeling: RFP via lentiviral vector with Zeocin resistance
- Pathogen Testing: Negative for HIV-1, HBV, HCV, and mycoplasma

Culture Information

- Recommended Medium: Smooth Muscle Cells Growth Medium (cAP-24)
- Population Doubling: >8 doublings over 2–3 passages
- Coating: Quick Coating Solution (cAP-01) recommended for flask preparation

Characterization

- α -Smooth Muscle Actin (α -SMA): >98% positive by IF
- VE-Cadherin: <1% positive by IF

Handling and Storage

- Shipping: Shipped on dry ice
- Storage: -80°C (short-term), liquid nitrogen (long-term)
- Thawing: 37°C water bath followed by immediate transfer to growth medium

Intended Use

For Research Use Only. Not for use in diagnostic or therapeutic procedures.