

Airway epithelial cell growth medium, serum-free

Cat.-Nr.: 203 0701

contains of:

Basal media		Supplements	
200 0701	500 ml Airway epithelial cell growth medium, basal	238 0701	Airway epithelial cell growth supplement 1
		238 0702	Airway epithelial cell growth supplement 2
		238 0703	Airway epithelial cell growth supplement 3

Maintenance of airway epithelial cell growth medium:

Place the bottle of **basal medium** in the dark at **4°C to 8°C** immediately after delivery. Store the **supplements** at **-20°C**.

Characteristics:

The Provitro airway epithelial cell growth medium is a sterile liquid culture medium w/o serum for culturing human airway epithelial cells (HAEPC). The medium is delivered as a basal medium and is suitable for culturing Provitro HAEPc after adding the 3 supplement mix components. The formulation is optimized for initial seeding of 6,000 cells / cm² up to confluence (approx. 75 %). Feeder-layer, matrix substrates or other substances are not necessary.

Stability and storage:

The supplemented airway epithelial cell growth medium can be stored in the dark at 4°C to 8°C for up to 1 month. Do not heat the medium over 37°C or use uncontrollable sources of heat (e.g. microwave appliances). If only a part of the medium is to be used, remove this amount from the bottle and heat it.

Special note:

Do not freeze the medium. This can lead to high salt concentrations by freezing out pure water which will cause irreversible damage.

For passaging of cells use provitro Passage Kit 4 (Cat.-Nr.: 204 0004) only. Other cell detachment kits might lead to insufficient cell detachment and cell loss!

Quality control:

Provitro's airway epithelial cell growth medium is thoroughly tested after each production. All components are tested in a stringent biological assay. Each batch is checked for HEPC proliferating characteristics. The cells cultured in airway epithelial cell growth medium are checked regarding their morphology, the adherence rate, the colony forming efficiency and the population doubling time.

Product specification:

The pH is set at 7.6 and osmolality at 285 ± 10 mOsm / kg.

In vitro laboratory use only.

Not intended for any human or animal diagnostic or therapeutic use.