

# Mammary epithelial cell growth medium, serum-free

Cat.-Nr.: 203 0703

contains of:

Basal media		Supplements	
200 0703	500 ml Mammary epithelial cell growth medium, basal	219 0701	Mammary epithelial cell Supplement-Mix, serum-free
		236 0350	Antibiotics (optional)

## Maintenance of mammary 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 mammary epithelial cell growth medium is a sterile liquid culture medium w/o serum for culturing human mammary epithelial cells (HMEPC). The medium is delivered as a basal medium and is suitable for culturing Provitro HMEPC after adding the supplement mix components. The formulation is optimized for initial seeding of 6,000 cells / cm<sup>2</sup> up to confluence (approx. 75 %). Feeder-layer, matrix substrates or other substances are not necessary. **Due to the possibility of reduced proliferative activity we recommend to use the antibiotic supplement for freshly isolated cells only.**

## Stability and storage:

The supplemented mammary 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.

## Quality control:

Provitro's mammary epithelial cell growth medium is thoroughly tested after each production. All components are tested in a stringent biological assay. Each batch is checked for HMEPC proliferating characteristics. The cells cultured in mammary 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.**