

Keratinocyte growth medium, serum-free

Cat.-Nr.: 203 0501

contains of:

Basal media		Supplements	
200 0501	500 ml Keratinocyte growth medium, basal	238 0501	Keratinocyte growth medium Supplement 1
		238 0502	Keratinocyte growth medium Supplement 2
		238 0503	Keratinocyte growth medium Supplement 3
		238 0504	Keratinocyte growth medium Supplement 4

Maintenance of keratinocyte 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 keratinocyte growth medium is a sterile liquid culture medium w/o serum for culturing human keratinocytes (HKER). The medium is delivered as a basal medium and is suitable for culturing Provitro HKER after adding the 4 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 keratinocyte 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 keratinocyte growth medium is thoroughly tested after each production. All components are tested in a stringent biological assay. Each batch is checked for HKER proliferating characteristics. The cells cultured in keratinocyte 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.