

Endothelial cell growth medium, HuS-kit, advanced, phenol red free

Cat.-Nr.: 212 1101-prf

contains of:

Basal media	Supplements	
2000101-prf 500 ml Endothelial cell growth medium, basal, phenol red free	222 1000	L-Glutamine
	232 1000	HuS (human serum AB)
	226 1125	Heparin
	244 0250	human rec. EGF (epidermal growth factor)
	245 0500	human rec. bFGF (basic fibroblast growth factor)
	241 0025	human rec. VEGF
	242 1000	human rec. Long R3 IGF-1
	223 0005	Ascorbic acid
	224 0010	Hydrocortisone
	236 0350	Antibiotics (optional)

Maintenance of endothelial 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 endothelial cell growth medium, advanced is a sterile liquid culture medium for culturing endothelial cells. The medium is delivered as a basal medium and is suitable for culturing Provitro human endothelial cells after adding the supplement kit components. The formulation is optimized for initial seeding of 4,000 cells / cm² up to confluence (approx. 90 %). 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 endothelial 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 endothelial cell growth medium is thoroughly tested after each production. All components are tested in a stringent biological assay. Each batch is checked for human endothelial cells proliferating characteristics. The cells cultured in endothelial 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.