

Microvascular endothelial cell growth medium, HuS-kit, advanced

Cat.-Nr.: 212 1102

contains of:

Basal media		Supplements	
200 0102	500 ml Microvascular endothelial cell growth medium, basal	222 1000	L-Glutamine
		232 2500	HuS (human serum AB)
		244 0250	human rec. EGF (epidermal growth factor)
		245 0500	human rec. bFGF (basic fibroblast growth factor)
		242 1000	human rec. Long R3 IGF-1
		223 0005	Ascorbic acid
		241 0025	human rec. VEGF
		224 0050	Hydrocortisone
		236 0350	Antibiotics (optional)

Maintenance of microvascular 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 microvascular endothelial cell growth medium is a sterile liquid culture medium for culturing human microvascular endothelial cells (HMVEC). The medium is delivered as a basal medium and is suitable for culturing Provitro HMVEC 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 microvascular 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 microvascular endothelial cell growth medium is thoroughly tested after each production. All components are tested in a stringent biological assay. Each batch is checked for HMVEC proliferating characteristics. The cells cultured in microvascular 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.