

## Skeletal muscle cell growth medium, FCS-kit

Cat.-Nr.: 211 0602

contains of:

Basal media		Supplements	
200 0602	500 ml Skeletal muscle cell growth medium, basal	222 1000	L-Glutamine
		231 2500	FCS (foetal calf serum)
		237 2500	Fetuin
		244 0500	human rec. EGF (epidermal growth factor)
		245 0050	human rec. bFGF (basic fibroblast growth factor)
		246 0500	human rec. Insulin
		225 0020	Dexamethasone
		236 0350	Antibiotics (optional)

### Maintenance of skeletal muscle 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 skeletal muscle cell growth medium is a sterile liquid culture medium for culturing human skeletal muscle cells (HSKMC). The medium is delivered as a basal medium and is suitable for culturing Provitro HSKMC after adding the supplement kit components. The formulation is optimized for initial seeding of 4,000 cells / cm<sup>2</sup> 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 skeletal muscle 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 skeletal muscle cell growth medium is thoroughly tested after each production. All components are tested in a stringent biological assay. Each batch is checked for HSKMC proliferating characteristics. The cells cultured in skeletal muscle 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.**