

Skeletal muscle cell differentiation medium, serum-free kit

Cat.-Nr.: 213 0603

contains of:

Basal media		Supplements	
200 0602	500 ml Skeletal muscle cell growth medium, basal	222 1000	L-Glutamine
		246 0500	human rec. Insulin
		236 0350	Antibiotics (optional)

Maintenance of skeletal muscle cell differentiation 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 differentiation medium is a sterile liquid culture medium w/o serum 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 / 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 skeletal muscle cell differentiation 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 differentiation 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 differentiation 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.