

hMSC osteogenesis induction medium, basal

Cat.-Nr.: 200 0903

contains of:

Basal media	Supplements
200 0903 500 ml hMSC osteogenesis induction medium, basal	-

Maintenance of hMSC osteogenesis induction medium:

Place the bottle of **basal medium** in the dark at **4°C to 8°C** immediately after delivery.

Characteristics:

The Provitro hMSC osteogenesis induction medium is a sterile liquid culture medium for inducing osteogenic differentiation of human mesenchymal stem cells (hMSC). The medium is delivered as a basal medium and is suitable **after adding optional available essential supplement mix components**. The final formulation is optimized for initial seeding of 6,000 cells / cm² up to confluence (approx. 90 %). Feeder-layer, matrix substrates or other substances are not necessary.

Stability and storage:

The supplemented hMSC osteogenesis induction 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 hMSC osteogenesis induction medium is thoroughly tested after each production. All components are tested in a stringent biological assay. Each batch is checked for hMSC osteogenesis induction characteristics. The cells cultured in hMSC osteogenesis induction 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.