

# Osteoblast growth medium, FCS

Cat.-Nr.: 201 0301

contains of:

Basal media		Supplements	
200 0301	500 ml Osteoblast growth medium, basal	218 0301	Osteoblast growth Supplement-Mix, FCS
		236 0350	Antibiotics (optional)

## Maintenance of osteoblast 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 osteoblast growth medium is a sterile liquid culture medium for culturing human osteoblasts (HOB). The medium is delivered as a basal medium **w/o Ca, Mg** and is suitable for culturing Provitro HOB after adding the supplement mix components. The formulation is optimized for initial seeding of 2,000 cells / cm<sup>2</sup> up to confluence (up to first cell contact). 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 osteoblast 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 osteoblast growth medium is thoroughly tested after each production. All components are tested in a stringent biological assay. Each batch is checked for HOB proliferating characteristics. The cells cultured in osteoblast 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.**