



Mesenchymal Stem Cell Osteogenic Differentiation Medium-basal (MODM-b)

Catalog Number: 7531-b (250ml)

Product Description

Mesenchymal stem cells are pluripotent progenitor cells that have the capacity to differentiate into several mesenchymal tissues: osteoblasts, chondrocytes and adipocytes.

Our mesenchymal stem cell osteogenic differentiation medium-basal (MODM-b) is a basal medium, which has been optimized for the osteogenic differentiation of mesenchymal stem cell (MSCs) in tissue culture plastic-ware in conjunction with (FBS, Cat. No. 0012), mesenchymal stem cell osteogenic differentiation supplement (MODS, Cat. No. 7532-2.5), penicillin/streptomycin solution (P/S, Cat. No. 0503-2.5). MODM-b is a sterile, liquid medium which contains essential and non-essential amino acids, vitamins, organic and inorganic compounds, and trace minerals. The basal medium does not contain antimycotics, antibiotics, hormones, growth factors or proteins. The medium is bicarbonate buffered and has a pH of 7.4 when equilibrated in an incubator with an atmosphere of 5% CO₂/95% air.

Product Use

MODM-b is for research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

Storage

Store at 4°C. Protect from light.

Caution: If handled improperly, some components of the medium may present a health hazard. Take appropriate precautions when handling it, including the wearing of protective clothing and eyewear. Dispose of properly.