



Mesenchymal Stem Cell Chondrogenic Differentiation Medium -basal (MCDM-b)

Catalog Number: 7551-b (500ml)

Product Description

Our chondrogenic differentiation medium without differentiation inducer has been specifically developed and optimized for *in vitro* mesenchymal stem cell chondrogenesis study. Mesenchymal stem cell Chondrogenic Differentiation medium-basal (MCDM-b) is a sterile, liquid basal medium which contains essential and non-essential amino acids, vitamins, organic and inorganic compounds, and trace minerals. The basal medium does not contain antimicrobials, 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.

Note: *To complete mesenchymal stem cell chondrogenic differentiation medium, our MCDM-b must be supplemented with mesenchymal stem cell chondrogenic differentiation supplement (MCDS, Cat. No. 7582-5), 5 ml of penicillin/streptomycin solution (P/S, Cat. No. 0503-5), and adequate chondrogenic inducer, 10 ng/ml TGF- β 3, by the customer.*

Product Use

MCDM-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.