



**Mesenchymal Stem Cell Chondrogenic Differentiation Medium –basal-phenol red free (MCDM-b-prf)**

Catalog Number: 7551-b-prf

**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-phenol red free (MCDM-b-prf) 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 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% CO<sub>2</sub>/95% air.

**Note:** *To complete mesenchymal stem cell chondrogenic differentiation medium, our MCDM-b-prf 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-β3, by the customer.*

**Product Use**

MCDM-b-prf 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.*