



**MSI102Ra11**

**Medium for Primary Rat Osteoblasts (OB)**

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

1st Edition (Revised in Feb, 2024)

## **[ Description ]**

Medium for Primary Rat Osteoblasts, is a liquid medium free of mycoplasma, bacteria and fungi and contains essential and non-essential amino acids, vitamins, organic and inorganic compounds, hormones, growth factors, trace minerals and fetal bovine serum (10%). It is a complete medium designed for optimal growth of Primary Rat Osteoblasts *in vitro*.

## **[ Components ]**

500 ml of Medium for Primary Rat Osteoblasts consists of basal medium, 50 ml of FBS, 5 ml of Osteoblast growth supplement and 5 ml of penicillin/streptomycin solution.

*Note: FBS, Osteoblast growth supplement and P/S solution are not pre-mixed in Primary Rat Osteoblasts Medium; they must be added separately to make the complete Primary Rat Osteoblasts Medium.*

## **[ Storage ]**

Store the basal medium at 4°C, FBS, Osteoblast growth supplement and P/S solutions at -20°C.

Protect from light.

## **[ Shipping ]**

Basal medium : room temperature. FBS, Osteoblast growth supplement and P/S solutions: dry ice.

## **[ Usage ]**

FBS, Osteoblast growth supplement and P/S solutions were thawed at room temperature, sprayed with 75% ethanol on bottles and tubes, and transferred to a sterile operating table. In a sterile field, FBS, Osteoblast growth supplement and P/S solutions were added to the basal medium and mixed evenly to obtain the recombinant complete medium, which was directly used for culture of Primary Rat Osteoblasts *in vitro* .

*Note: When stored in the dark at 4°C, the reconstituted complete medium is stable for three months.*

## **[ Important note ]**

- In order to maintain the best use effect of this product, do not place it in room temperature or high temperature environment for a long time.
- This product is for scientific research use only. It is not for diagnostic, therapeutic, clinical, family and other purposes.