



MSI083Ca11

Medium for Primary Canine Bone Marrow-derived Mesenchymal Stem Cells (BMMSCs)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

1st Edition (Revised in Feb, 2024)

[Description]

Medium for Canine Bone Marrow-derived Mesenchymal Stem Cells, 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 10% concentrations of fetal bovine serum. It is a complete medium designed for optimal growth of Canine Bone Marrow-derived Mesenchymal Stem Cells *in vitro*.

[Components]

500 ml of Medium for Primary Canine Bone Marrow-derived Mesenchymal Stem Cells consists of basal medium, 50 ml of FBS, 5 ml of Mesenchymal Stem Cell Growth Supplement and 5 ml of penicillin/streptomycin solution.

Note: FBS, Mesenchymal Stem Cell Growth Supplement and P/S are not pre-mixed in Primary Canine Bone Marrow-derived Mesenchymal Stem Cells Medium; they must be added separately to make the complete Primary Canine Bone Marrow-derived Mesenchymal Stem Cells Medium.

[Storage]

Store the basal medium at 4°C, Mesenchymal Stem Cell Growth Supplement, FBS and P/S solutions at -20°C.

Protect from light.

[Shipping]

Basal medium : room temperature. Mesenchymal Stem Cell Growth Supplement, FBS and P/S solution: dry ice.

[Usage]

Mesenchymal Stem Cell Growth Supplement, FBS 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, Mesenchymal Stem Cell Growth Supplement, FBS 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 Canine Bone Marrow-derived Mesenchymal Stem Cells *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.