



MSI913Ra11

Medium for Primary Rat Dermal Vascular Smooth Muscle Cells (DVSMC)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

1st Edition (Revised in Mar, 2026)

[Description]

Medium for Primary Rat Dermal Vascular Smooth Muscle Cells (DVSMC), 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 Primary Rat Dermal Vascular Smooth Muscle Cells (DVSMC) *in vitro*.

[Components]

500 ml of Medium for Primary Rat Dermal Vascular Smooth Muscle Cells (DVSMC) consists of basal medium, 50 ml of FBS, 5 ml of Smooth Muscle Cell growth supplement and 5 ml of penicillin/streptomycin solution.

Note: FBS, Smooth Muscle Cell growth supplement and P/S are not pre-mixed in Primary Rat Dermal Vascular Smooth Muscle Cells (DVSMC) Medium; they must be added separately to make the complete Primary Rat Dermal Vascular Smooth Muscle Cells (DVSMC) Medium.

[Storage]

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

Protect from light.

[Shipping]

Basal medium : room temperature. Smooth Muscle Cell growth supplement, FBS and P/S solution: dry ice.

[Usage]

Smooth Muscle 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, Smooth Muscle 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 Rat Dermal Vascular Smooth Muscle Cells (DVSMC) *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.