



MSI178Ra11

Medium for Rat Retinal Ganglion Cells (RGC)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

1th Edition (Revised in Nov, 2022)

[Description]

Medium for Rat Retinal Ganglion Cells (RGC), 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. The medium does not contain serum. The medium contains a bicarbonate buffer system and has a PH of 7.4 when balanced in a 5% CO₂ /95% air incubator. It is a complete medium designed for optimal growth of Rat Retinal Ganglion Cells *in vitro*.

[Components]

500 ml of Medium for Primary Rat Retinal Ganglion Cells (RGC) consists of basal medium, 10 ml Retinal Ganglion Cell growth supplement and 5 ml of penicillin/streptomycin solution.

Note: 10 ml Retinal Ganglion Cell growth supplement and P/S are not pre-mixed in Rat Retinal Ganglion Cell Medium; they must be added separately to make the complete Rat Retinal Ganglion Cell Medium.

[Storage]

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

Protect from light.

[Shipping]

Basal medium : room temperature. Retinal Ganglion Cell growth supplement and P/S solutions: dry ice.

[Usage]

Retinal Ganglion Cell 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, Retinal Ganglion Cell 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 Rat Retinal Ganglion 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.