



Nucleus Pulposus Cell Growth Supplement (NPCGS)

Catalog Number: 4852

Product Description

Nucleus Pulposus Cell Growth Supplement (NPCGS) is a medium supplement designed for the optimal growth of normal human nucleus pulposus cells *in vitro*. It is a sterile, concentrated (100X) solution which contains growth factors, hormones, and proteins necessary for the culture of normal human nucleus pulposus cells. The supplement is formulated (quantitatively and qualitatively) to provide a defined and optimally balanced growth environment that maximally promotes the growth of normal human nucleus pulposus cells *in vitro*. The supplement is functioned as an additive for nucleus pulposus cell medium (NPCM, Cat. No. 4801) and should be used in conjunction with that medium.

Product Use

NPCGS is for research use only. It is not approved for human or animal use, or for application in *in vitro* diagnostic procedures.

Storage

Store the NPCGS at -20°C before adding to pericyte medium.

Shipping

Dry ice.

Prepare for use

Thaw NPCGS at 37°C. Gently tilt the NPCGS tube several times during thawing to help the contents dissolve. Make sure the contents of the supplement are completely dissolved into solution before adding to the medium. Rinse the bottle and tubes with 70% ethanol, and then wipe to remove excess. Remove the cap, being careful not to touch the interior threads with fingers. Add NPCGS and other components (FBS and P/S solution) into basal medium in a sterile field, mix well and then the reconstituted medium is ready for use. Since several components of nucleus pulposus cell medium are light-labile, it is recommended that the medium not be exposed to light for lengthy periods of time. If the medium is warmed prior to use, do not exceed 37°C. When stored in the dark at 4°C, the reconstituted medium is stable for one month.

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.