

NeoBoost

#Cat: NB-11-0066 Size: 10ml

Product Description:

NeoBoost Growth Factor for Cell Cultures. Can be purchased separately or comes in Medium Kits NB-11-0046 or NB-11-0051. NeoBoost is purified from bovine pituitary or hypothalamus and is 100% traceable to cattle processed in the USA at USDA inspected facilities. The product's working concentration is 50µg/mL. Biological activity is adjusted to 110% of maximum using NB-11-0040 Human Venous Endothelial cells, NB-03-0171 Primary Retinal Microvascular Endothelial cells, and NB-11-0016 Primary Brain Microvascular Endothelial cells. NeoBoost is qualified for use with Cell Systems media, and when initiating, thawing, expanding or passaging cultures of all mesenchymal-derived cells. Use of NeoBoost can result in as much as 25% increase in recovery from freezing, an increase of 10-20% in cell count per passage, and a one day decrease in time-toconfluence. The effects of NeoBoost are most pronounced with extremely fastidious cells.

Cell Systems media and reagents are sterile, made with WFI and all components are cGMP and ISO Compliant.

Components:

This 5mL vial supplements 500mL Medium. NeoBoost is included in Cell Systems Cell Culture Mediums NB-11-0046 and NB-11-0051.

Storage:

Can be frozen at -20°C. Once opened, shelf life is 30 days at +2-8°C. If entire unit will not be used within 30 days, aliquot and freeze.

Product Use:

NB-11-0066 is for laboratory research only. It is not approved for human or animal use, or for application in in vitro diagnostic procedures.

Shipping:

All medium and reagents shipped at ambient temperature.

Instructions for Use:

Make sure all work surfaces are disinfected. Spray the outside of your gloves prior to work under the hood.

- Spray the outside of all tools/instruments (bottles, tubes, racks, etc.) with ethanol solution before bringing them under the hood.
- Use 5mL NeoBoost to supplement 500mL cell culture medium.
- Or use as an application in the vial thaw procedure:
 - Cells are at their most fragile when in recovery from thawing or passage. The growth factors in NeoBoost and NeoBoost-R stabilize the plasma membrane and provide a concentrated dose of factors that have been shown to aid the cell in attachment, activation, and achievement of polarity.
 - NeoBoost can be beneficially used any time cells are "loosened" from the pellet prior to resuspension in Cell Systems Medium in preparation for plating. The best results of using NeoBoost are evident when 50-100 microliters are added to the loosened cell pellet just prior to re-suspension in medium. Please refer to our NeoPassage Reagent Group (cat. # NB-11-0078).