

## NeoBoost-R

#Cat: NB-11-0067 Size: 10ml

### Product Description:

NeoBoost-R Growth Factor for Cell Cultures. Can be purchased separately or comes in Medium Kits NB-11-0048 or NB-11-0053. NeoBoost-R contains defined growth factors and porcine heparin. NeoBoost-R is produced by bacterial fermentation of E.coli. The product's working concentration is 10ng/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-R is qualified for use with Cell Systems media, and when initiating, thawing, expanding or passaging cultures of all mesenchymal-derived cells. Use of NeoBoost-R 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-to-confluence. 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 10mL vial supplements 500mL Medium. NeoBoost-R is included in Cell Systems Cell Culture Medium Kits, NB-11-0048 and NB-11-0053.

### 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-11-0067 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 10mL 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-R 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 resuspension in medium. Please refer to our NeoPassage Reagent Group (cat. #NB-11-0078).