

## VB-28 Media Supplement (50x)

### Specifically For Neuron Cell

#### Product Description

VB-28 Media Supplement is a serum-free and Xeno-Free supplement optimized for improved in vitro survival, growth and function of neurons. The formulation of VB-28 is developed on the basis of the original B27 neural supplement with modification reflecting current knowledge of neuron culture. Human albumin in this product is manufactured in FDA-licensed facilities and tested per FDA guidelines (The albumin is negative for HBsAg, anti-HIV 1/2, anti-HCV, HIV-1 RNA, HCV RNA, and HBV DNA). The supplement is provided as 50X solution.

#### Application:

VB-28 Media Supplement is optimized for improved in vitro survival, growth and function of neurons.

**Product specification:** 10ml / 50ml(50x)

**Product Storage:** Store at -20 °C or -80-20 °C. Protect from light.

#### Thawing Guideline :

Thaw frozen VB-28 at 2-8 °C overnight or at 37 °C in a water bath. Avoid overexposure of the supplement to 37 °C. Store the supplement solution in 2-8 °C no longer than 2 weeks. Don't Freeze-thaw VB-28 supplement more than 3 times.

#### Supplement preparation:

Dilute the VB-28 supplement with proper basal neuron culture medium. Store the diluted medium in dark at 2-8 °C for no longer than 2 weeks.

#### Instructions for use In Primary Neurons :

- Prepare poly-L-lysine coated flask. Briefly, add 10ug/ml poly-L-lysine water solution to the culture flask and incubate at room temperature  $\geq$  1 hour. Wash the flask three times with sterile water.
- Prepare 100ml complete culture medium by adding the following items.

Items	Stock Solution	Final solution
NB basal medium	1 x	97ml
L-alanyl-L-Glutamine	2mM	1ml
Ascorbic acid	200uM	100ul
VB-28 supplement	50 x	2ml

- Re-suspend the neuron cells in pre-warmed complete medium. Plate the cells on the coated flask at a density of  $2.5 \times 10^4$  cells/cm<sup>2</sup>.
- Change the medium with fresh one the next day. Then renew the medium is changed every 2-3 days.

