

## VB-30 Supplement ( Without Vitamin-A)

**Especially Used for 3D Culture Systems**

### Product Description:

**VB-30 Supplement (Without Vitamin-A)** is a serum-free and xeno-free supplement optimized for the cultivation of organoids of in 3-D culture system. The supplement supports the growth of cells from varied sources, such as primary cancer cells, cell lines and primary cells of different organ origins. 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-30 Supplement (Without Vitamin-A) is optimized for the cultivation of organoids in 3-D culture system.

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

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

### Thawing Guideline :

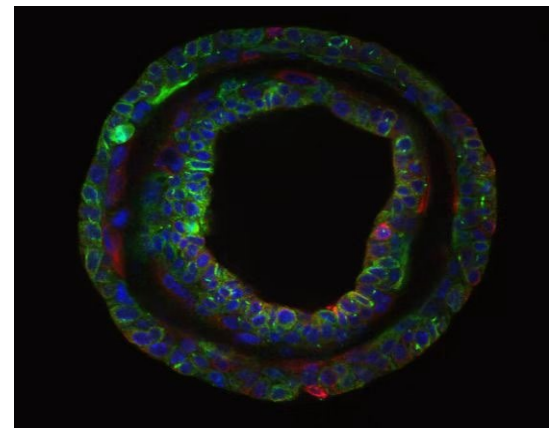
Thaw frozen VB-28 at 2-8 °C overnight or at 37°C in a water bath. Avoid overexposure of the supplement to 37°C. Store the supplement solution in 2-8°C no longer than 2 weeks.

Don't Freeze-thaw VB-28 supplement more than 3 times



### Below:Lung Organoid Culture Medium with VB-30 (For reference only):

Components	Final Working Concentration
Advanced DMEM/F12 with HEPES	NA
<b>VB-30 (50x)</b>	<b>1 x</b>
L-Ananyl-Glutamine	2 Mm
Nicodinamide	5 mM
EGF-10	100 ng/ml
FGF-7	25 ng/ml
Y27832	5 Um
SB202190	0.5 Um
A 83-01	0.5 Um
N-acetylcysteine	1 Mm
Recombinant R-spondin 1	1 ug/ml
Recombinant Noggin	100ng/ml
Pen/Strep	1x



Above: Representative image of human lung organoid culture with organoid medium supplemented with VB-30