

WelProt™ Virus Concentration Reagent

Cat. No. : ML 052-01

Contents :

5X Virus Concentration Reagent : 100 ml

Research Use Only

Product Description

The low titer virus was usually produced. It needs to be concentrated for further applications. WelProt™ Virus Concentration Reagent is an easy, convenient product for virus concentration without ultra-centrifugation. This product can concentrate retrovirus, lentivirus, and phage and uses non-toxic reagents. It can be concentrated over 10 ~ 100 folds.

Storage and Stability

All components are store during 12 months at 4°C or long-term at -20°C.

Chemical Hazard

When working with the product, we recommend the use of gloves, lab coats and eye protection.

Protocols

1. Harvest virus solutions from virus producer cells and remove cell pellets using centrifugation.
2. Add 1/5 volume of virus concentration reagent to 4/5 volume of virus solutions.
3. Incubate overnight at 4°C.
4. Centrifuge at 3,500 X g for 30 mins at 4°C, carefully remove supernatant.
5. Suspend the virus pellet in small volume (below 100 ul) of serum-free media and store at deep-freezer for future use. If required, aliquot the concentrated virus

Notes

1. Avoid freezer/thaw for virus titer.
2. If insoluble material is present in the suspension, it can be removed by final centrifugation condition.

References

1. Marino M.P. (2003) *Lentivirus gene engineering protocols* 43-55.