

Product Datasheet

Virus Prolonged Storage Buffer (2x)

For research use only



Product	Catalog number
Virus prolonged Storage buffer (2x), 10 ml	BSM005
Virus prolonged Storage buffer (2x), 100 ml	BSD005

Product Description

Viruses generally are very stable, with small differences rooted in their morphology (enveloped which are less stable than the ones without it) or their genetic material (DNA viruses are more stable). Virus prolonged Storage Buffer (2x) provides additional help with stabilizing viral structures in -70°C to -20°C for prolonged periods of time without the need for specialized technical equipment. Composition of Glycerol which is a well-known cryoprotectant ensure highest validity and stability of virus genetic material.

Solutions and Reagents

Product Composition: PBS, NaCl, Glycerol.

Description

Cell lysis buffer suitable for use in ELISA and western blotting.

Storage

This product is stable for 24 months when stored at -20°C . Virus Prolonged Storage Buffer (x2) can be stored at $2-8^{\circ}\text{C}$ for a short period of time (1-2 weeks).

Product Usage Information

1. If buffer will be used continuously, it is recommended that the 2x buffer be kept at $2-8^{\circ}\text{C}$ for 1-2 weeks. For longer periods of time, buffer should be stored at -20°C . Aliquoting of 2x buffer is recommended if many small experiments are to be performed.
2. Thaw 2x buffer at $24-30^{\circ}\text{C}$, mixing by rotating the tube .

Virus Prolonged Storage Buffer Protocol

1. Harvest virus containing samples. Samples can include purified virus or cell media harvested from above virus producing cells.
2. Centrifuge the sample to remove any remaining cells. 2000G for 10 min.
3. Measure the volume of obtained supernatant and add equal volume of Virus Prolonged Storage Buffer (x2).
4. Transfer the tubes with virus stock directly to -20°C or -70°C .

Additional notes:

1. It is a good practice to preserve small volumes (0,1-0,5 ml) of virus suspension, since it will defrost quicker. It was shown that rapid freezing and thawing of the viruses is better for sustaining their infectivity abilities. Thus we also advise to freeze and thaw virus stock fast for example by placing them in 37°C water bath. Immediately after thawing place in 4°C . Thawing should be carried just before the viruses is used.
2. For preserving virus infectivity it is advised to store them in at least -60°C .
3. High titer virus stock will retain viability in low temperature for longer than low titer stock.

