Product Instruction

BHK Cell Serum-free Medium

Product Type: Tac-S101

Product Description

Tac-S101 BHK cell serum-free medium is a serum-free medium with independent intellectual property rights, developed by Shanghai BioEngine Sci-Tech Co., Ltd. This medium is developed according to the characteristics of BHK cell growth, metabolism and pseudorabies virus production. Its characteristics are:

- Completely serum-free.
- Does not contain any components of animal origin.
- No need to add serum or plasma.
- Support the rapid proliferation and high-density culture of BHK cells.

Product Formula

The intellectual property rights of Tac-S101 BHK cell serum-free medium formula are owned by Shanghai BioEngine Sci-Tech Co., Ltd. For additional information, please contact our technical support department.

Product Preservation

- This product should be stored at 2-8℃, avoid direct sunlight.

Effective Period

- This product is effective for six months from the date of production.
- This product is recommended to be used within two weeks after opening.

Medium usage

Subculture

- BHK cells that have been suspended in other serum-free medium can be directly replaced with Tac-S101 medium.
- The seeding density should be controlled at 0.5-1.0 × 10^6 cells/ml during serum-free suspension subculture, and subculture should be carried out every 48 hours.
- Use the shake flask with a vented cap and place it in a 37°C, 5% CO_2 environment. The

recommended shaker speed is 110-130 rpm.

Cryopreservation

Select the cells that are in good condition in the logarithmic growth phase for cryopreservation. The cryopreservation density is 2.5-3.5×10^7 cells/ml/tube. The ratio of cryopreservation solution is 93% fresh medium + 7% DMSO. Centrifuge 175 g cells for 5 min, discard the supernatant, resuspend the mixed freezing solution, and dispense the cells into freezing tube, 1 ml/vial. Then, place them in a programmed cooling box at -80℃ overnight, and transfer to liquid nitrogen save.

Recovery

Rotate the freezing tubes in the same direction in a 37°C water bath to quickly melt the cryopreservation solution, and take them out to a clean bench when only small ice crystals remain. Add 10 ml of medium and 175 g cell to the centrifuge tube, centrifuge for 5 min, and wash away the DMSO. Use 20-30 ml of medium to resuspend the cells, and control the seeding density at 0.5-1.0×10^6 cells/ml.