

Product Instruction

BHK Cell Serum-free Fed-batch Medium

Product Type: SF206

Product Description

BHK cell serum-free fed-batch medium a personalized serum-free medium, which is independently developed, researched and produced by Shanghai BioEngine Sci-Tech Co., Ltd. This medium combined with BHK cell serum-free medium is suitable for the efficient expression of pseudorabies, rabies and newcastle disease virus.

Product Formula

The intellectual property rights of BHK cell serum-free fed-batch medium formula are owned by Shanghai BioEngine Sci-Tech Co., Ltd.

Product Ingredient

The medium contains carbohydrates, amino acids, vitamins and other nutritional components.

This product does not contain antibiotics, HEPES, phenol red.

This product does not contain raw materials of animal origin.

Product Preservation

- Store in a dark environment at 2-8°C, avoid direct sunlight.
- This product is vulnerable to water damage. Please use immediately after opening. If it needs to be stored, please sealed by heat sealing and sealing clips, avoiding damp and being ineffective.

Instruction for the preparation of BHK cell serum-free fed-batch medium

(1) Weigh 100% water of the final medium preparation volume into the medium preparation container. When preparing, ultrapure water or water for injection and above standard water should be used, and the water temperature should be controlled at 20-30°C.

(2) Turn on the mixing system of the medium preparation container, stir thoroughly, and avoid the generation of air bubbles during stirring.

(3) Weigh 281 g/L of dry powder of fed-batch medium, add them into the preparation

container near the liquid surface or use special equipment such as homogenizer, and stir thoroughly for 20 min. until it becomes clear.

(4) Check the pH value and use 5M NaOH or 1M hydrochloric acid to adjust the pH value to 7.0-7.2.

(5) It is recommended to use a pulse pump or compressed air (3-15 psi) to sterile filter the medium solution through a sterile filter membrane with pore size of 0.22 μm pore size.

(6) The prepared medium liquid should be stored in a dark environment at 2-8°C.

(7) The reference parameters of final product

Indicator	Reference Standard
Product initial pH value	7.0-7.6
Osmolality	1300-1900 mOsm/Kg
Product turbidity	$\leq 2.00\text{NTU}$

Notes:

- (1) The above units of "g/L" are volume concentration (solute mass/solution volume).
- (2) The above preparation parameters (such as stirring time, etc.) are for the reference of small-scale preparation in research and development. When in mass production, please set appropriate preparation parameters according to the stirring capacity of the preparation vessel.