

Tuner-Sia

Product Name: Tuner-Sia

User Manual

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Description

Tuner-Sia is a glycosylation adjust with clear chemical composition, which is independently developed, researched and produced by Shanghai BioEngine Sci-Tech Co., Ltd. Tuner-Sia is designed to increase the sialylation level of product protein in various cell cultures, such as Chinese Hamster Ovary (CHO) cells.

Application

This product is intended for research or further manufacturing in the bio-manufacturing industry, but not for human or therapeutic use.

Composition

The IP rights of Tuner-Sia formulation are owned by Shanghai BioEngine Sci-Tech Co., Ltd.

This medium does not contain:

- Cytokines and antibiotics.
- Raw materials from animal sources.

Storage

- Store medium at 2-8°C, away from light.
- Once opened, the powder medium should be stored protected from moisture in a tightly sealed container.

- Do not use it after the expiration date or being damped.

Reconstitution

Reconstitution by constant volume

- 1) Weigh 70% water of the final volume into the preparation container using pure water, ultrapure water, or water for injection at 20-30°C. Mix thoroughly without creating air bubbles.
- 2) Accurately weigh the corresponding mass of Tuner-Sia at a concentration of 200 g/L and add it into the preparation container of (1). Stir well for 10 minutes.
- 3) Quantify with preparation water to reach 100% of the volume. Stir for 10 minutes.
- 4) Pass the Tuner-Sia solution through a pore size of 0.22 or 0.2 µm sterile filter membrane, such as PES, using a pulse pump or compressed air (3-15 psi).
- 5) Use the prepared liquid immediately or store it in glass bottles, PET storage bottles, or disposable storage bags with an oxygen barrier membrane. The reconstituted medium additive is stable for 1 week at 2-8°C.

General culture recommendations

Add Tuner-Sia into the culture system one time on D5 or D6 of a 14-day culture with the volume ratio of 1:100 (v/v, Tuner-Sia volume/culture volume).

The volume ratio could be further optimized according to the target sialylation level.

Tuner-Sia can be used together with other Tuners to regulate protein glycosylation.

Related Product

Product Name	Type	Cat. No.	Form	Size	Packaging	Note
Tuner-Sia	Additive	EXP0119101	Powder	100 g	Bag	Increase the sialylation level of product protein



Scan the QR code for more details about BioEngine.

Stay tuned for more updates.

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