Scattering reagent CHO

Anti-Clumping Reagent

Description

Scattering reagent CHO has been developed for reducing the cell clumping in the growth of Chinese hamster ovary (CHO) cells, such as CHO-S, CHO-K1, DG44, or DXB11 cells, in serum-free culture. Scattering reagent CHO is a chemically defined, serum-free, protein-free, animal origin-free reagent that contains no protein, hydrolysates, or components of unknown composition.

(Storage; 2℃ to 8℃ / Protect from light)

Culture conditions

Cell line: CHO cells
Culture type: Suspension or Adhesive
Culture vessels: Flask, plate, dish, or culture bag, etc.
Incubate atmosphere: Humidified atmosphere of 5–8% CO_2 in air
Temperature range: 36℃ to 38℃
Shaker culture: 120–130 rpm

Information

In CHO cells trying to be adapted for suspension culture or serum-free culture, CHO cells may clump together and cause large clumping. Cell aggregation leads to a decrease in recombinant protein production as well as a reduction in cell viability. Scattering CHO reagent can reduce cell clumping only by adding to the culture medium in shaker culture or static culture.

Supplementation method

When cell clumping occurs in serum-free culture, Scattering reagent CHO is added to the media titrated between **1:100 to 1:1000 dilution**.

Important Points

Scattering reagent CHO inhibits the transient transfection process by using cationic lipid-based reagent. We recommend the using of Scattering reagent CHO after transfection assay (18–24 h).

Other information

For Research Use Only. Not for use in diagnostic procedures. This product is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

Related product

＜ Transfection System ＞

Gxpress 293 Transfection & Medium Kit	GX293-MAK-0010
Gxpress 293 Transfection & Medium Kit II	GX293-MK-0010
Gxpress 293 Transfection Kit	GX293-RK-0010
Gxpress 293 TF Reagent	GX293-TF-0010
Gxpress 293 Enhancer	GX293-EN-0010

＜ Chemically Defined Medium ＞

HE100 medium	HE100-0010	Adhesive culture
HE150 medium	HE150-0005	Cloning assay
HE200 medium	HE200-0010	Suspension culture
HE300 medium	HE300-0010	Suspension culture
HE300AZ medium*	HE300AZ-0010	Suspension culture
HE400 medium	HE400-0010	Suspension culture
HE400AZ medium*	HE400AZ-0010	Suspension culture
Gxpress 293 Feed medium	GX293-FD-0010	Fed-Batch culture

* Ready-to-use medium with L-alanyl-L-glutamine