

CBM293 Serum-Free Medium

Cat. No. CBM293 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

CBM293 Serum-Free Medium is a chemically defined, animal-component-free medium suitable for high-density suspension culture of HEK293 cells following transient transfection. The main components include glutamine, HEPES, sodium bicarbonate, amino acids, vitamins, and trace elements.

CBM293 Serum-Free Medium is specifically applied to:

- Suspension culture of HEK293 cells
- Transient transfection of HEK293 cells for protein/antibody expression, lentivirus, etc.
- High-density culture of HEK293 cells and scale-up in bioreactors

Storage 2~8°C, protected from light

Endotoxin Low

Notes For scientific research and cell culture production use only

Product Features

Product Features

- Supports suspension culture and transient transfection of HEK293 cells
- Ready-to-use, no additional supplements required
- Animal-component-free, chemically defined
- Consistently recommended by cell culture experts

Cell Line 293

Serum Serum-Free

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Glutamine	Yes
Phenol Red	Phenol Red
Buffer System	Sodium Bicarbonate
Concentration	1×; 4×
Culture Type	Suspension
Product Type	Chemically Defined, Protein-Free, Animal-Component-Free
Shelf Life	12 months
Shipping	Ice Pack
Usage Protocol	• Allow the medium to warm to room temperature before use. • For transfection, passage 293 cells in 1× CBM293 medium, with a recommended minimum of 3 passages for adaptation, in suspension culture in shaking flasks or bioreactors, with a seed cell passage density greater than 0.3×10^6 cells/mL. (Shaking bed speed reference: 150-180 rpm) • Grow 293 seed cells to a density of $1.5\text{--}3.0 \times 10^6$ cells/mL, dilute the cell density to $0.8\text{--}1.0 \times 10^6$ cells/mL with 1× fresh CBM293 medium, and continue to culture the cells for 24 hours or less until the density reaches $1.5\text{--}3.0 \times 10^6$ cells/mL (not exceeding 3.0×10^6 cells/mL), then proceed with transfection. • After 24 hours post-transfection, add supplement CBM-feed to the culture medium at a volume ratio of 2% (e.g., 2mL to 100mL), add once daily. Alternatively, add at 4% every two days. • Typically, harvest and purify after 7 days post-transfection or when cell viability drops below 55%.

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