

LLT LEADING LIFE TECHNOLOGIES

CELL CULTURE / SERUM-FREE MEDIA

OptiVibro® 293 Serum-Free Feed Medium HA03

Chemically defined feed supplementation for AAV and viral-vector production workflows

Animal-origin-free | Protein-free | Liquid and powder formats

Product overview

OptiVibro® 293 Serum-Free Feed Medium HA03 is a chemically defined, serum-free feed medium without animal-derived components. It is designed to support high-density growth and transfection of compatible suspension-adapted HEK 293 cell lines, helping enhance AAV and other viral-vector production workflows.

Key features

- Animal-origin-free, protein-free, serum-free, and chemically defined.
- Formulated to support expansion, high-density growth, and plasmid transfection of compatible HEK 293-derived cell lines.
- Specifically designed to support AAV packaging and increase viral-vector titer when used with an appropriate OptiVibro® 293 basal medium.
- Compatible with viral-vector process development, scale-up, and manufacturing workflows.
- Single-feed process option supports straightforward process operation.

Typical applications

AAV packaging; expansion and transfection of suspension-adapted HEK 293 cultures; viral-vector process development; and scale-up and commercial manufacturing workflows.

GENERAL CULTURE GUIDANCE Use HA03 with a compatible 293 basal medium and optimize the feeding strategy, timing, and feed volume for the selected cell line, basal medium, transfection method, and process objective. For AAV workflows, OptiVibro® 293 Serum-Free Medium VirTrans HE03 is a suitable related basal medium.

General product characteristics

Classification	Chemically defined, serum-free, protein-free, animal-origin-free
Product type	HEK 293 cell culture feed medium
Compatible cell lines	Suspension-adapted HEK 293-derived cell lines, including 293F and other suitable 293 cell lines
Form	Liquid or dry powder
Not formulated with	Animal-derived components
Storage	2-8°C; protect from light. Store powder dark and dry.
Transport	Below 10°C; protect from light
Shelf life	Liquid: 12 months. Powder: 24 months. See product label for expiry.

Note: General information is shown. Product label and lot-specific Certificate of Analysis govern release.

PRODUCT INFORMATION

Ordering, storage and use

Ordering information

Catalog No.	Product name	Size
HA000-N031	OptiVibro® 293 Serum-Free Feed Medium HA03	100 mL liquid
HA000-N032	OptiVibro® 293 Serum-Free Feed Medium HA03	1,000 mL liquid
HA000-N041	OptiVibro® 293 Serum-Free Feed Medium HA03 (Powder)	1 L powder
HA000-N042	OptiVibro® 293 Serum-Free Feed Medium HA03 (Powder)	10 L powder

Catalog availability and pack sizes should be confirmed at the time of order.

Storage, transport and shelf life

Storage. Store at 2-8°C and protect from light. Store powder in a dark, dry environment.

Transportation. Maintain below 10°C and protect from light during transport.

Shelf life. Liquid: 12 months; powder: 24 months when stored as directed. Confirm the labeled expiration date before use.

Powder reconstitution

Instructions for preparing 1 L of HA03 from powder:

1. Charge a clean vessel with 60% of the final volume of WFI or cell-culture-grade water.
2. Slowly add 178.51 g HA03 powder while stirring continuously. Mix for approximately 60 minutes.
3. Adjust to pH 8.5-8.8 using approximately 50-55 mL of 5 mol/L NaOH. Mix for 60 minutes.
4. Bring to final volume with water and continue mixing for 5 minutes.
5. Verify final pH (7.0-8.9) and osmolality (340-400 mOsm/kg).
6. Sterilize immediately through a 0.22 µm PES membrane filter. Store reconstituted medium at 2-8°C, protected from light, until use.

Osmolality is measured after diluting 1 mL medium with 4 mL water.

LIGHT PROTECTION Protect product from direct and fluorescent light during storage, handling, and transport. Do not expose product to UV irradiation during transfer into a clean area.

Related products

OptiVibro® 293 Serum-Free Medium VirTrans HE03	Related basal medium for AAV and viral-vector production workflows
OptiVibro® 293 Serum-Free Medium VirTrans HE03 (Powder)	Related powder basal medium for AAV and viral-vector production workflows

INTENDED USE For research and manufacturing use only. Not intended for diagnostic or therapeutic use. This general datasheet does not replace the product label, user manual, Certificate of Analysis, or Safety Data Sheet.