

ExCell Bio

OptiViro[®] 293 Serum-free Feed Medium HA02

For Research and Manufacturing Use

Not Intended for Diagnostic and Therapeutic Use

User Manual

Catalog Number	HA000-N011
	HA000-N012
	HA000-N021
	HA000-N022



| PRODUCT DESCRIPTION

OptiVibro® 293 Serum-free Feed Medium HA02 is a chemically-defined feed medium that does not contain any animal-derived components. It can significantly boost transient protein expression.

| SPECIFICATION, STORAGE AND TRANSPORTATION

REQUIREMENT

Product Name	Cat. #	Specification	Storage	Transportation	Shelf Life
OptiVibro® 293 Serum-free Feed Medium HA02	HA000-N011	100 mL Liquid	2-8°C Protect From Light.	< 10°C Protect From Light.	12 months
	HA000-N012	1000 mL Liquid			
OptiVibro® 293 Serum-free Feed Medium HA02 (Powder)	HA000-N021	1 L Powder	2-8°C Dark and dry.	<10°C Protect From Light.	24 months
	HA000-N022	10 L Powder			

| HANDLING RECOMMENDATIONS

1. Please make sure to store the cell culture medium in a light-protected environment, avoid fluorescent lamps or other lamplight exposure, and better to use colored packaging bags in the refrigerator or warehouse.
2. During the transportation of the product, it should be kept away from light. This is to prevent the product from being affected by the irradiation of fluorescent lamps or other light sources, which may lead to discoloration.
3. During the transportation of the product to the clean area, it is essential to carry out a cleaning process. The cleaning method may involve disinfectant wiping, and not utilize UV irradiation.

Note: When passing through transfer windows equipped with UV lamp, remember to proactively turn off the UV lamp inside the transfer window.

| INSTRUCTION FOR USE

Medium preparation

Instructions for preparing 1L of OptiVibro® Serum-free Feed Medium HA02 with the powder:

1. Measure 60% of the final required volume of WFI or cell culture grade water in a clean vessel.

2. Slowly add 153.58 g of OptiVibro® Serum-free Feed Medium HA02 (powder) while stirring continuously. Mix for about 60 minutes.
3. Adjust the pH to 8.5-8.8 with around 43-47 mL 5 mol/L NaOH solution. Mix for 60 minutes.
4. Adjust the pH to 7.5-7.7 with around 9-11 mL 6 mol/L HCl solution. Mix for 10 minutes.
5. Add water to reach a final volume of 1L and continue stir for an additional 5 minutes.
6. Measure and record the final pH and osmolality. The pH should be 6.5 to 7.9, osmolality should be 250 to 310 mOsm/kg after diluting 1 mL medium with 4 mL water.
7. Sterilize by 0.22 µm PES membrane filtration, store the medium at 2-8°C, protect from light.

Related Products

Product Name	Cat. #	Specification
OptiVibro® 293 Serum-free Medium TransExp HE02	HE000-N051	500 mL Liquid
	HE000-N052	1000 mL Liquid
OptiVibro® 293 Serum-free Medium TransExp HE02 (powder)	HE000-N061	1 L Powder
	HE000-N062	10 L Powder
	HE000-N063	100 L Powder
OptiVibro® Glucose Solution	M101381C	10 mL Liquid
	M101382C	100 mL Liquid

| DISCLAIMER

1. Use the product according to the manual instructions. Deviations from these instructions are at the user's risk, and our company will not be responsible for any resulting product performance deviations.
2. This product is for scientific research and commercial production only and is not intended for clinical diagnosis or treatment. Users assume all risks for unauthorized use, and our company shall not be responsible for any consequences.