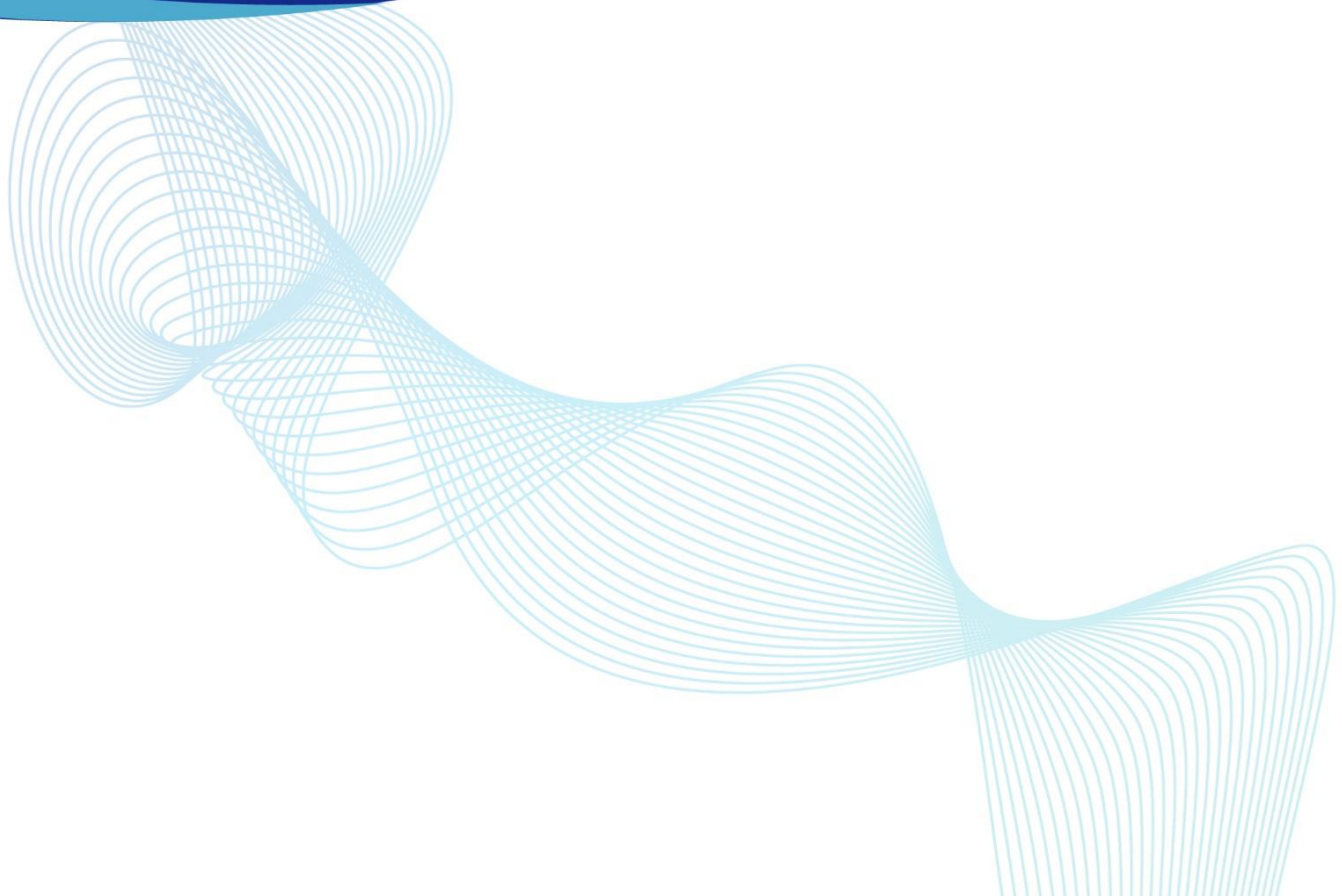




DN feed 3 & DN feed B3

High-Performance Culture Medium for Animal-Cells

Product Instruction Manual



DUONING

High-Performance Culture Medium for Animal Cells

Product Name: DN feed 3 medium & DN feed B3 medium

Main Product No.: DN feed 3 medium: FP015; DN feed B3 medium: FP016; Powder Packaging

Product Description

DN feed 3 & DN feed B3 are chemical defined (CD) highly efficient feed medium with no animal derived components, no protein, which are suitable for use in fed-batch cultures using Chinese hamster ovary cells (CHO) in the development and production of therapeutic protein products. This product does not contain growth factors, hypoxanthine, thymidine or L-glutamine. It is suitable for the culture of different cell lines such as CHO-K1, CHO-S, DG44, CHOZN using GS system and dhfr screening system.

DN feed 3 should be used together with DN feed B3 and added at the same time.

User Guide

DN feed 3 & DN feed B3 are highly efficient supplementation formula designed to improve the growth and production performance of CHO cells. They are rich in amino acids and vitamins to meet the nutritional requirements of high-density cell culture and high product expression. Combined with the cell line characteristics, a reasonable supplementation strategy can significantly improve the cell growth and antibody expression performance.

The first feeding is recommended in the middle to late stage of cell index growth, usually on day 3 when the cell density reaches $2.0-3.0 \times 10^6$ cells/mL or more, and the recommended feeding scheme is as follows, and the optimized ratio can be customized according to the cell line used:

Feeding time	DN feed 3 + DN feed B3
Day 3	3% + 0.3%
Day 5	3% + 0.3%
Day 7	3% + 0.3%
Day 9	3% + 0.3%
Day 11	3% + 0.3%

Preparation Guide

Suitable for DN feed 3 powder packaging (taking 1 L as example).

1. Prepare 80% volume ultrapure water (20-30°C);
2. Add 23.6mL of 6M NaOH solution;
3. Slowly add DN feed 3 medium 182.59 g, stir for 40 min, and dissolve completely;
4. Adjusting the pH to 6.60-6.90;
5. Fix volume, continue stirring for 5-10 min; (pH range: 6.60-6.90, osmotic pressure range: 1500-1800 mOsm/kg)
6. Sterilize with 0.22 μm filter, and store at 2-8 °C in the dark.

Suitable for DN feed B3 powder packing (taking 1 L as example)

1. Prepare 80% volume ultrapure water (20-30°C);
2. Add 130 mL 6 M NaOH solution;
3. Add 94.60 g of DN feed B3 powder, stir for 30 min and dissolve completely;
4. Fix volume, continue stirring for 5 ~ 10 min; (pH range: 10.5-12.5, osmotic pressure range: 1100-1500 mOsm/kg)
5. Sterilize with 0.22 µm filter, and store at 2-8°C in the dark.

Storage Condition, Validity Period or Retest Date

Wuxi production base, DN feed 3 medium powder packaging: 2°C to 8°C, protect from light; retest date: 24 months.

Wuxi production base, DN feed B3 medium powder packaging: 2°C to 8°C, Protect from light; retest date: 24 months.

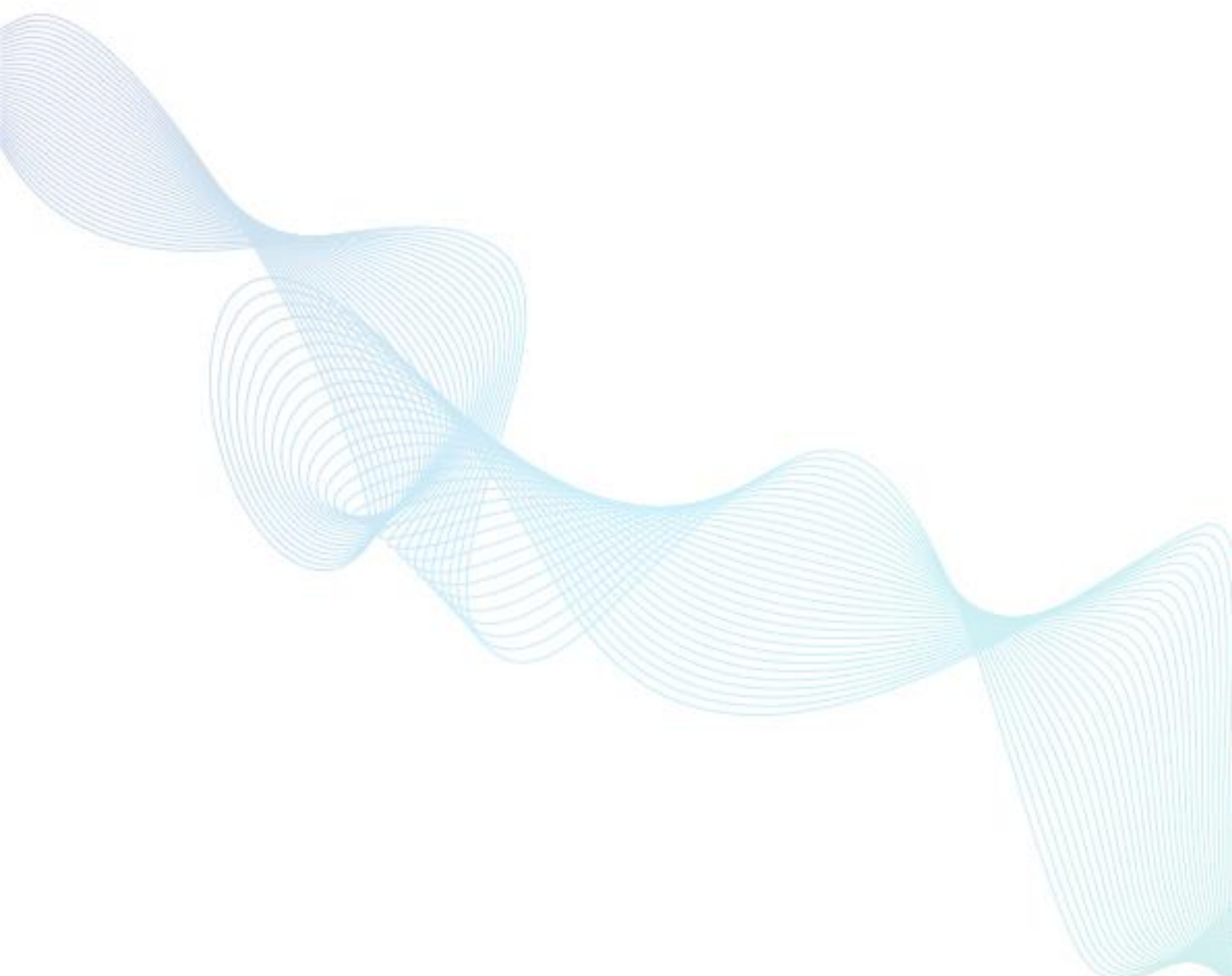
Manufacturer Information

Company Name: Wuxi Duoning Biotechnology co.,Ltd

Address: No.2-1, No.2-2, Xinji Road, Singapore Industrial Park, Wuxi

Tel: 0510-85956600

Website: www.duoningbio.com/en



Duoning Biotechnology Group

- ✉ marketing@duoningbio.com
- 🌐 www.duoningbio.com/en
- 📍 6/F manulife place 348kwun tong road kl, HongKong, PRC.

