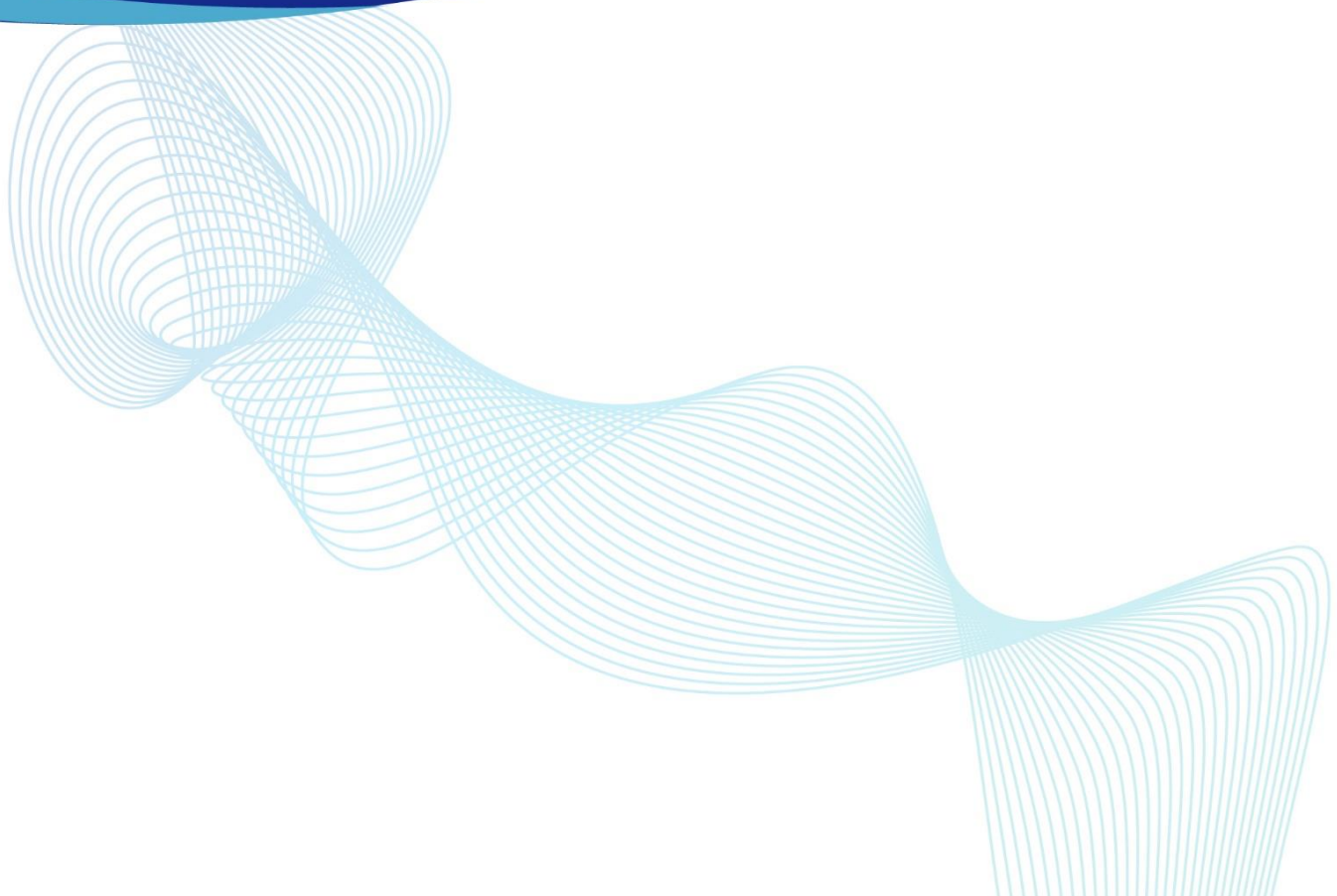




Transpro Feed 1

High-Performance Culture Medium for Animal-Cells

Product Instruction Manual



DUONING

High-Performance Culture Medium for Animal Cells

Product Name: Transpro Feed 1 Medium

Main Product No.: FP017; Powder packaging

Product Description

Transpro feed 1 medium is a universal transient transfection feed medium that can be used in combination with Transpro CD 01 medium. This product can be used for transient transfection culture of both HEK293 and CHO cells. Transpro feed 1 is suitable for transient transfection and expression culture of antibodies, recombinant proteins, and viruses during the research and development process using HEK293 series cells such as HEK 293, Expi293F, 293F, 293E, and CHO series cells such as ExpiCHOS and CHOS. This product is a fully chemically defined medium, without animal derived components, protein derived components, animal or plant derived protein hydrolysates, or growth factors.

User Guide

Transpro feed 1 contains a certain concentration of transient enhancer, which is suitable for single feeding. There commended feeding volume is 3-10% of the initial cultivation volume (recommended 5%). This product is not recommended to be supplied for many times, and it is not necessary to add transient transfection enhancer.

Cell transient transfection (using HEK293 transient protein as an example)

- 1) The day before transfection need to seed cells at 2.0×10^6 cells/mL, the cell density can reach 4.0×10^6 cells/mL on the second day;
- 2) After cell counting on the second day of culture, the cell viability was more than 95%, and the viable cell density was $\geq 4.0 \times 10^6$ cells/mL, can be used directly; If the cell density is lower than 4.0×10^6 cells/mL, the cells can be collected by centrifugation (800 rpm, 5 min), and the cells can be resuspended at 4.0×10^6 cells/mL density in Transpro CD01;
- 3) The mixture of DNA and PEI was prepared according to the optimized transient process;
- 4) Add the mixed solution to the medium for culture;
- 5) After 18 hours of culture, it is recommended to supplement the supplemented medium Transpro feed 1 (the concentration is recommended to be 3-5% of the initial culture volume), or the combined supplemented medium DN feed B2(the concentration is recommended to be 0.3-0.5% of the initial culture volume), which can further improve the density of viable cells and protein production.
- 6) Measure residual glucose in the process of cell culture medium, and controlling the concentration of residual glucose at 3-6 g/L;
- 7) Culture until 7 days, or when the viability is less than 60%, and end the culture.

Preparation Guide

Suitable for powder packaging (taking 1 L as an example).

- 1) Prepare 80% volume ultrapure water ($30 \sim 40^\circ\text{C}$);
- 2) Add 19 mL of 6M NaOH solution;
- 3) Slowly add 200.879 g of Transpro feed 1 medium powder, stir for 30 min and dissolve completely;
- 4) Adjusting the pH to 6.80 ± 0.10 (optional step);

- 5) Fix volume, stir for 5 ~ 10 min, and measure osmotic pressure (osmotic pressure range is 2000~2400 mOsm/kg);
- 6) Sterilize with a 0.22µm filter.

Storage and Retest Date

Wuxi production base, Transpro feed 1 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.

