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## 产品使用说明书 Product Instruction Manual

多宁/DuoNing

动物细胞高性能培养基 High-Performance Culture Medium for Animal-Cells

V149-01

【产品名称 Product name】Maxpro™303 培养基 Maxpro™303 medium

【主货号 Main Art. No.】MP303

粉末包装 Powder packaging

【产品说明 Product description】

Maxpro™303 培养基是一种无动物来源成分、无蛋白成分、化学成分限定的基础培养基，适合采用中国仓鼠卵巢细胞（CHO）进行治疗性蛋白产品研发和生产过程中的分批培养、补料分批培养和灌流培养。Maxpro™303 培养基不含有 L-谷氨酰胺。适合采用 GS 筛选系统的 CHOK1、CHOK1SV、CHOS 等不同细胞株的培养。

Maxpro™303 medium is a chemical defined basal medium with no animal-derived ingredients, and no protein ingredients, which is suitable for batch culture, fed-batch culture and perfusion culture in the development and production of therapeutic protein products by Chinese hamster ovary (CHO). Maxpro™303 medium contains no L-glutamine. It is suitable for the culture of different cell lines, such as CHOK1, CHOK1SV and CHOS, using GS screening system.

【使用指南 User guide】

Maxpro™303 培养基是为提高 CHO 细胞的生长和生产性能专门设计的培养基。细胞复苏后，建议采用 Maxgrow™201 或客户自定义培养基作为种子培养基，以  $0.3\sim 0.8\times 10^6$  cells/mL 接种密度进行传代扩增；第 N-1 代，以 Maxpro™303 作为基础培养基继续扩增，扩增至所需的种子体积后；在第 N 代，以 Maxpro™303 作为基础培养基，接种密度控制在  $0.5\sim 2.0\times 10^6$  cells/mL，进行补料分批培养，建议与 Maxfeed™403A1 补料培养基一起使用。

Maxpro™303 medium is specially designed to improve the growth and production performance of CHO cells. After cell recovery, it is recommended to use Maxgrow™201 or customer customized culture medium as the seed culture medium. Seed cells at  $0.3\sim 0.8\times 10^6$  cells/mL density for passage amplification; In the N-1st generation, continue amplification using Maxpro™303 as the basal medium, and amplify to the required seed volume; In the Nth generation, Maxpro™303 was used as the basal medium and the inoculation density was controlled between  $0.5\sim 2.0\times 10^6$  cells/mL for fed batch culture. It is recommended to use it with Maxfeed™403A1 feed medium.

本产品不含胰岛素，若添加胰岛素，建议添加浓度为  $0.5\sim 10\text{mg/L}$ 。

This product does not contain insulin. If insulin is added, the recommended concentration is  $0.5\sim 10\text{mg/L}$ .

【配制指南 Preparation guide】

适用于粉末包装（以 1L 为例）

Suitable for powder packaging (take 1L as an example)

1. 准备配制体积 80%左右的超纯水 (20~30℃) ;  
Prepare 80% volume ultrapure water (20 ~ 30℃);
2. 加入 Maxpro™ 303 培养基粉末 21.23g, 搅拌 30 min;  
Add 21.23 g of Maxpro™ 303 medium powder and stir for 30 min;
3. 加入碳酸氢钠 1.49g;  
Add 1.49g sodium bicarbonate;
4. 调节 pH 至 7.00±0.1;  
Adjust pH to 7.00±0.1;
5. 定容, 搅拌 5~10 min;  
Constant volume, stir for 5~10 min;
6. 采用 NaCl 调节渗透压至 280~300 mOsm/kg;  
Use NaCl to adjust the osmotic pressure to 280-300 mOsm/kg;  
备注: 1g 氯化钠约等于 33 mOsm/kg  
Note: 1g of NaCl is approximately equal to 33 mOsm/kg
7. 用 0.22µm 过滤器除菌过滤。  
Use 0.22µm filter to sterilization and filtration.

### 【细胞培养 Cell culture】

- ①种子阶段建议细胞传代密度 Suggested cell passage density at the seed stage:  $0.3\sim 0.8\times 10^6$  cells/mL;
- ②生产阶段建议细胞接种密度 Suggested cell inoculation density at production stage:  $0.5\sim 2.0\times 10^6$  cells/mL;
- ③温度 Temperature: 36.5℃.
- ④ CO<sub>2</sub>: 6~8%.

### 【储存、有效期或复验期 Storage condition, validity period or retest date】

上海生产基地, 干粉包装: 2~8℃避光储存, 有效期为 24 个月。


Shanghai production base, powder packaging: 2℃ to 8℃, protect from light; validity period: 24 months.

无锡生产基地, 干粉包装: 2~8℃避光储存, 复验期为 24 个月。

Wuxi production base, powder packaging: 2℃ to 8℃, protect from light; retest date: 24 months.

### 【生产企业信息 Manufacturer information】

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