

产品名称 Product Name:	CHO CD Medium 01-BA1201
货号 Cat. No.	BA1201
规格 Amount:	10L、100L、500L、定制 Customized
形式 Formulation:	干粉 Powder
储存温度 Storage:	2 ~ 8°C
有效期 Validity period:	24个月 (失效日期见产品包装) 24 months (Expiration date on product packaging)

简介

Description

CHO CD Medium 01-BA1201 培养基可为中国仓鼠卵巢细胞(CHO 细胞)的高密度增殖提供丰富的营养成分。此产品是一款无血清、无动物成分、化学限定培养基,适用于悬浮培养 CHO 细胞以表达抗体及蛋白产物。只需简单的驯化甚至不用驯化,就可从其他无血清培养基中,直接传代接种至 CHO CD Medium 01-BA1201 培养基中。此培养基配方中不含次黄嘌呤、胸苷及 L-谷氨酰胺,适合二氢叶酸还原酶、谷氨酰胺合成酶(GS)筛选系统。

CHO CD Medium 01-BA1201 provides a rich environment for high density CHO cell growth. CHO CD Medium 01-BA1201 is a serum-free, animal component-free, chemically defined medium developed for CHO suspension culture for expression of antibodies and protein products. CHO suspension cultures can be subculture directly into CHO CD Medium 01-BA1201 from serum-supplemented or serum-free medium with little or no adaptation. CHO CD Medium 01-BA1201 is formulated without hypoxanthine, thymidine and L-glutamine, suitable for DHFR, glutamine synthetase (GS System) screening system.

组分

Component

L-谷氨酰胺 L-glutamine	不含 No
葡萄糖 Glucose	6.0 g/L
次黄嘌呤&胸苷 Hypoxanthine & Thymidine	不含 No
酚红 Phenol red	不含 No
碳酸氢钠 Sodium bicarbonate	不含 No
水解产物 Hydrolysate	不含 No

产品用途

Product Intended Use

在处理或补充培养基时使用无菌技术。本产品用于研究或进一步制造使用。

Use aseptic technique when handling or supplementing this medium. This product is for research or for further

manufacturing use.

警告: 不用于人类或动物治疗用途。超出规定范围的使用可能会触犯当地法律。

Caution: Not for human or animal therapeutic use. Uses other than the intended use may be a violation of local law.

安全信息

Safety information

阅读物料安全数据表 (MSDS) 并依据相关的安全操作规范,佩戴适当的护目镜,洁净服,口罩和手套等。

Read the Material Safety Data Sheets (MSDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

用前准备

Preparation before use

• 配制方法

Preparation method

1. 将终体积 80~90%的注射用水加入到合适干净的容器中,调节水温至 25~35°C;

Add 80~90% of the final volume of water for injection to a suitable, clean container, and adjust the water temperature to 25~35°C;

2. 缓慢加入 21.2g /L 的 CHO CD Medium 01-BA1201 干粉培养基,缓慢加入水中,充分搅拌 10 分钟,溶液不澄清; Slowly add 21.2 g/L CHO CD Medium 01-BA1201 powder, stir and mix for 10 minutes, the solution does not clear;

3. 缓慢加入 5mol/L NaOH 调整 pH 到 9.05±0.10,搅拌 30 分钟;

Slowly add 5 mol/L NaOH adjust the pH to 9.05 ± 0.1 and stir 30 minutes;

4. 缓慢加入 6 mol/L 的 HCl 将 pH 调整到 7.0±0.1,搅拌 10 分钟,缓慢加入 3.575g/L 的碳酸氢钠,搅拌 10 分钟直至溶解;

Slowly add 6 mol/L HCl adjust the pH to 7.00 ± 0.1 and stir 10minutes, add 3.575 g/L NaHCO₃ and stir 10 minutes until dissolved;

5. 缓慢加入 6 mol/L 的 HCl 将 pH 值调整到 7.0 ± 0.1 ，搅拌 10 分钟；

Slowly add 6 mol/L HCl to adjust the pH to 7.0 ± 0.1 and stir 10 minutes;

6. 加注射用水定容到最终的配液体积，继续搅拌 1-2 分钟。
Add water for injection to the desired final volume, stir 1-2 minutes;

7. 通过 0.22 μ m 孔径滤膜过滤除菌，2-8°C 避光保存。
Sterilize by filtration using pore size 0.22 μ m filter, 2 ~ 8°C protect from light.

- CHO CD Medium 01-BA1201 培养基的使用需要无菌；
Use CHO CD Medium 01-BA1201 under sterile condition;
- 产品不含 L-谷氨酰胺；使用前按需添加 L-谷氨酰胺；
This product is formulated without L-glutamine, add L-glutamine as needed before use;
- 不推荐使用抗生素；
Antibiotics are not recommended;
- 在 2 ~ 8°C 避光干燥保存。
2~8°C, keep dry and protect from light.

培养条件

Condition of cell culture

培养基 Medium: CHO CD Medium 01-BA1201

细胞系 Cell line: CHO cells

培养类型 Culture type: 悬浮 Suspension

培养容器 Culture container: 摇瓶/TPP/反应器 shaker /TPP/ reactor

温度范围 Temperature range: $37^{\circ}\text{C} \pm 0.5$

培养箱气体要求 Incubator air requirements: 5 ~ 8% CO₂ 的加湿培养 humidified with 5%~8% CO₂

细胞复苏

Cell recovery

1. 在 37°C 水中快速解冻 (<2 分钟) 冻存管中的细胞液；
Quickly thawing cryopreservation tube in 37°C water (< 2 minutes) ;
2. 将细胞液转移至 15 mL 离心管中，加入 10 mL 预热的 CHO CD Medium 01-BA1201 培养基，1000 rpm 离心 3 分钟，丢弃上清液，使用 5 mL CHO CD Medium 01-BA1201 培养基重悬，计数；
Transfer Cell liquid to 15 mL centrifuge tube. Add 10 mL of preheating CHO CD Medium 01-BA1201, centrifugate at 1,000 rpm for 5 min, discard the supernatant, using 5 mL CHO CD Medium 01-BA1201 suspension, cell counting;

3. 将离心管的全部细胞液转移到装有 15 mL 预热的完全 CHO CD Medium 01-BA1201 培养基的 125 mL 摇瓶中，稀释至所需细胞密度；

Transfer all the cell suspension in the centrifuge tube to a 125 mL shake flask containing 15 mL of preheated complete CHO CD Medium 01-BA1201 medium and dilute to the required cell density;

4. 在含有 5 ~ 8% CO₂，37°C，加湿的培养箱或摇床进行培养，培养时拧松瓶盖或使用通气盖以进行气体交换；
Culture in incubator contains 5% ~ 8% CO₂, 37°C humidified air; Unscrew the cap or use the aeration cap for gas exchange during incubation.

5. 细胞复苏后培养 2 ~ 5 天处于对数生长期中期时传代。在进行其它实验之前，复苏的细胞至少应进行三次传代。
Cells should be cultured for 2 to 5 days after cell recovery and passed on in the middle stage of logarithmic growth. The cells should be passed on at least three times before other experiments.

相关产品

Related Products

货号 Cat.No.	品名 Product Name
BA1202	CHO CD Feed 01-BA1202
BA1203	CHO CD Feed 02-BA1203
BA1204	CHO CD Feed 01 Plus-BA1204

标签图例

Explanation of Symbols and Warnings

		
供 GMP 制造 For GMP Manufacturing	有效期至 Expiration Date	储存温度 Store Temperature
		
批号 Lot Number	干燥保存 Keep dry	避光保存 Protect from light