

产品名称 Product Name:	CHO CD Medium 01-BT1201
货号 Cat. No.	BT1201
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-BT1201 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-BT1201 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-BT1201 provides a rich environment for high density CHO cell growth. CHO CD Medium 01-BT1201 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-BT1201 from serum-supplemented or serum-free medium with little or no adaptation. CHO CD Medium 01-BT1201 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-BT1201 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-BT1201 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 NaHCO<sub>3</sub> and stir 10 minutes until dissolved;

- 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 10minutes;
- 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;
- 通过 0.22 μm 孔径滤膜过滤除菌, 2-8°C避光保存。  
Sterilize by filtration using pore size 0.22μm filter, 2 ~ 8°C protect from light.

- CHO CD Medium 01-BT1201 培养基的使用需要无菌;  
Use CHO CD Medium 01-BT1201 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-BT1201

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°C±0.5

培养箱气体要求 Incubator air requirements: 5~8% CO<sub>2</sub> 的加湿培养 humidified with 5%~8% CO<sub>2</sub>

### 细胞复苏

#### Cell recovery

- 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°Cwater (< 2 minutes) ;
- 将细胞液转移至 15 mL 离心管中, 加入 10 mL 预热的 CHO CD Medium 01-BT1201 培养基, 1000 rpm 离心 3 分钟, 丢弃上清液, 使用 5 mL CHO CD Medium 01-BT1201 培养基重悬, 计数;  
Transfer Cell liquid to 15 mL centrifuge tube. Add 10 mL of preheating CHO CD Medium 01-BT1201, centrifugate at 1,000 rpm for 5 min, discard the supernatant, using 5 mL CHO CD Medium 01-BT1201 suspension, cell counting;

- 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-BT1201 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-BT1201 medium and dilute to the required cell density;
- 在含有 5 ~ 8% CO<sub>2</sub>, 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% CO<sub>2</sub>, 37°C humidified air; Unscrew the cap or use the aeration cap for gas exchange during incubation.
- 细胞复苏后培养 2 ~ 5 天处于对数生长中期时传代。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
BT1202	CHO CD Feed 01-BT1202
BT1203	CHO CD Feed 02-BT1203
BT1204	CHO CD Feed 01 Plus-BT1204
BT1205	CHO CD Medium 01 plus-BT1205

### 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