

# Certificate of Analysis



ES GRADE, URUGUAY ORIGIN

Fetal Bovine Serum, Tripel 0.1  $\mu\text{m}$  sterile-filtered

Cat. No. FBS-0500

Lot. No.2025101113

Manufacturing Date: 2025-11-13

## Biochemical Profile 生化指标检测

| Test Project                    | Specification    | Results       |
|---------------------------------|------------------|---------------|
| Total Protein (Beckman DXC)/总蛋白 | 30-45 mg/mL      | 35.16 mg/mL   |
| Hemoglobin/血红蛋白                 | $\leq 20$ mg/dL  | 13.15 mg/dL   |
| Endotoxin/内毒素                   | $\leq 10$ EU/mL  | <1.5EU/mL     |
| IgG (ELISA)/免疫球蛋白               | $\leq 250$ mg/L  | 30 mg/L       |
| Osmolality (Osmometer)/渗透压      | 260-320 mOsmo/kg | 305 mOsmol/kg |
| pH                              | 7.0-8.5          | 7.35          |

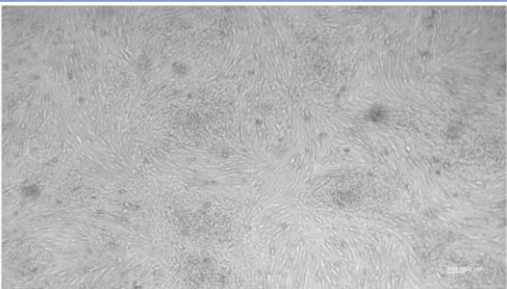
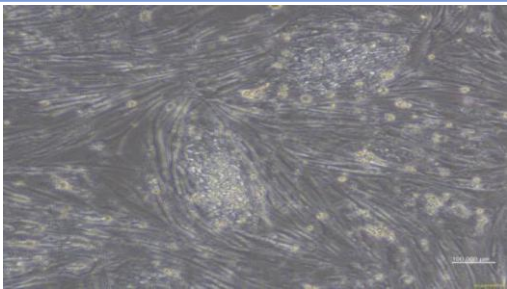
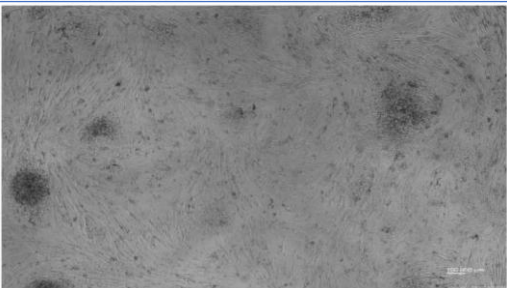
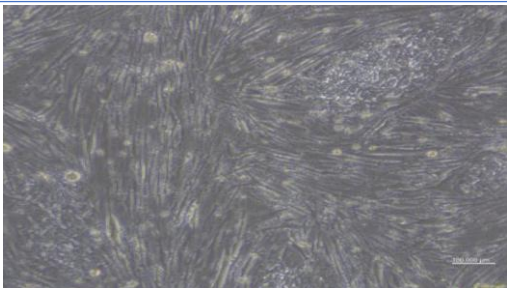
## Virus & Microbial Test 病毒及微生物测试

| Test Project                                  | Specification | Results      |
|-----------------------------------------------|---------------|--------------|
| Sterility / 无菌                                | Sterile       | Sterile      |
| Mycoplasma / 支原体                              | Not Detected  | Not Detected |
| Bovine Respiratory Syncytial Virus / 牛呼吸道合胞病毒 | Not Detected  | Not Detected |
| Bovine Viral Diarrhea Virus / 牛病毒性腹泻病毒        | Not Detected  | Not Detected |
| Bovine Parvovirus / 牛细小病毒                     | Not Detected  | Not Detected |
| Bluetongue Virus / 蓝舌病毒                       | Not Detected  | Not Detected |
| Bovine Adenovirus / 牛腺病毒                      | Not Detected  | Not Detected |
| Rabies Virus / 狂犬病毒                           | Not Detected  | Not Detected |
| Reovirus / 呼肠孤病毒                              | Not Detected  | Not Detected |
| Bovine Rhinotracheitis / 牛鼻气管炎                | Not Detected  | Not Detected |
| Para Influenza 3(PI3) / 牛副流感病毒 3 型            | Not Detected  | Not Detected |

## Cell culture 细胞培养

| Test Project | Specification                                             | Results |
|--------------|-----------------------------------------------------------|---------|
| 细胞生长曲线       | 每天计数 SP2/0-Ag14 细胞 (浓度 = $1 \times 10^4$ )<br>一周, 绘制生长曲线  | 通过      |
| 细胞倍增时间       | 根据生长曲线计算细胞倍增时间, Sp2/0-Ag14 细胞<br>倍增时间 $\leq 20$ 小时        | 19h     |
| 克隆率          | 按有限稀释法培养一周后, 克隆率 $\geq 70\%$                              | 97.91%  |
| 胚胎干细胞培养      | 以小鼠胚胎成纤维细胞作为饲养层, 在胚胎干<br>细胞培养中, 克隆形态致密规整、边缘清晰、<br>无明显自发分化 | 通过      |

## hESC 细胞培养图片

| 胚胎干细胞      |                                                                                     |                                                                                      |
|------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|            | 72h-4X                                                                              | 72h-10X                                                                              |
| 2025101113 |   |   |
| B210670RP  |  |  |