

VACCA FBS

Certificate of Analysis



DEFINED, URUGUAY ORIGIN
Fetal Bovine Serum, Tripel 0.1 μm sterile-filtered
Cat. No.VCA-FBS-0500
Lot. No.2025111226
Manufacturing Date: 2025-12-26

Biochemical Profile 生化指标检测

Test Project	Specification	Results
Total Protein (Beckman DXC)/总蛋白	30-45 mg/mL	35.71 mg/mL
Hemoglobin/血红蛋白	≤ 20 mg/dL	11.68mg/dL
Endotoxin/内毒素	≤ 10 EU/mL	<1.5EU/mL
IgG (ELISA)/免疫球蛋白	≤ 250 mg/L	30 mg/L
Osmolality (Osmometer)/渗透压	260-320 mOsmo/kg	289 mOsmol/kg
pH	7.0-8.5	7.60
Sodium/钠	As reported	116.3 mmol/L
Potassium/钾	As reported	9.20 mmol/L
Chloride/氯化物	As reported	94.8 mmol/L
Anion gap/阴离子间隙	As reported	16.9 mmol/L
Glucose/葡萄糖	As reported	2.52 mmol/L
Creatinine/肌酸酐	As reported	297 $\mu\text{mol/L}$
Urea/尿素	As reported	6 mmol/L
Creatine Kinase/肌酸激酶	As reported	85 U/L
High-density lipoprotein/高密度脂蛋白	As reported	0.23 mmol/L
Low-density lipoprotein/低密度脂蛋白	As reported	0.47 mmol/L
α -amylase/ α -淀粉酶	As reported	7.3 U/L
Alkaline Phosphatase/碱性磷酸酶	As reported	377 U/L
Cholinesterase/胆碱酯酶	As reported	121 U/L
Alanine Transaminase/丙氨酸转氨酶	As reported	<2 U/L
Aspartate Transaminase/天冬氨酸转氨酶	As reported	15.2 U/L
Lactate Dehydrogenase/乳酸脱氢酶	As reported	427 U/L
Triglyceride/甘油三酯	As reported	0.68 mmol/L
Cholesterol/胆固醇	As reported	0.98 mmol/L

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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		

Cellculture Test 细胞培养测试

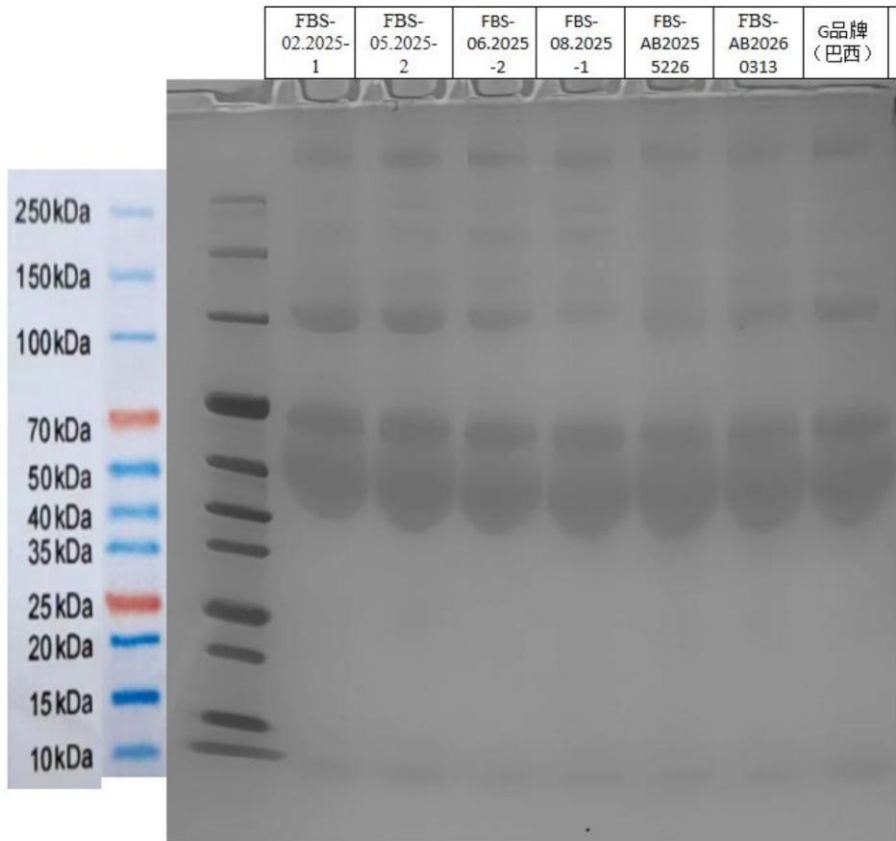
Test Project	Specification	Results
Cell Doubling Time- SP2/0-Ag14	≤ 20 hours	17 hours
Cell Doubling Time- CHO	≤ 22 hours	18 hours
Cell growth Clone Rate- HEK 293T	$\geq 70\%$	100%
Cell growth Clone Rate- RAW 264.7	$\geq 70\%$	80.08%
Cell growth Clone Rate-A549	$\geq 70\%$	95.15%
Cell growth Clone Rate- Hep G2	$\geq 70\%$	96.23%
Cell growth Clone Rate- HUVEC	$\geq 70\%$	100%
Cell growth Clone Rate- VERO E6	$\geq 70\%$	93.87%

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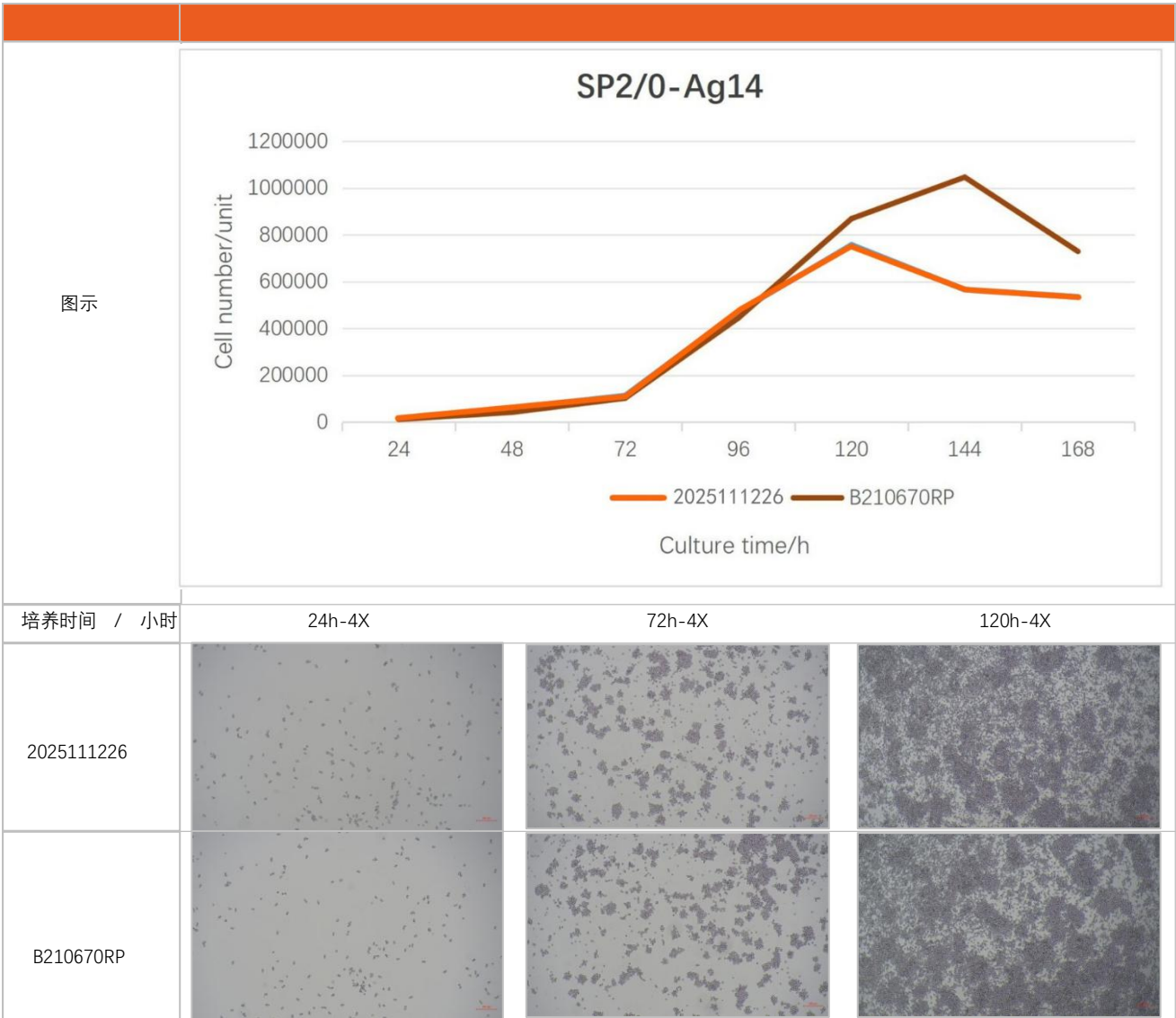


1、SDS-PAGE



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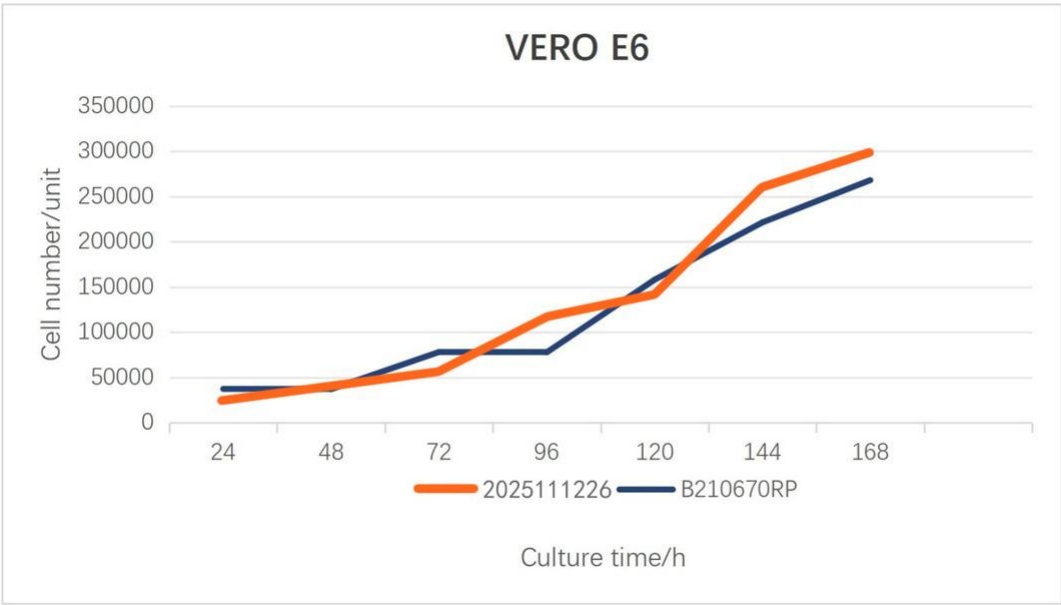


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图示

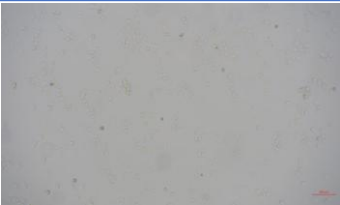


培养时间 / 小时 24h-4X 72h-4X 120h-4X

2025111226



B210670RP

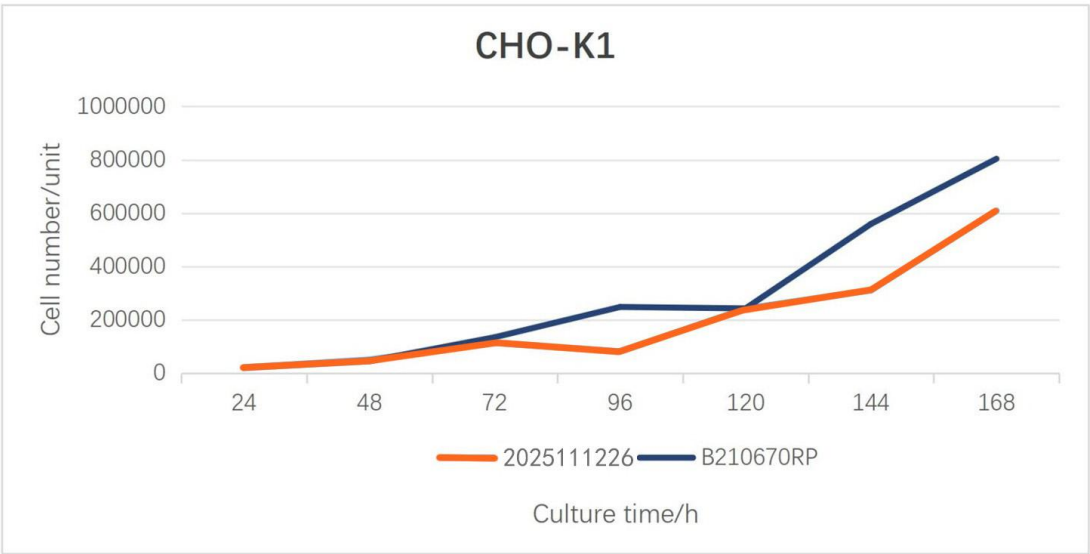


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图示



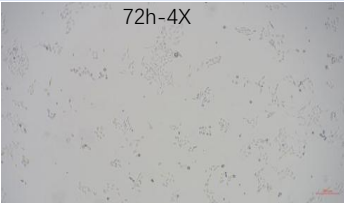
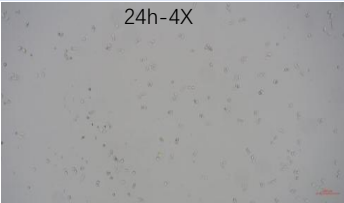
培养时间 / 小时

24h-4X

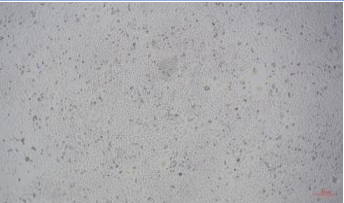
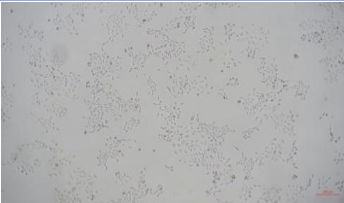
72h-4X

120h-4X

2025111226



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图示 CHO-K1 Cloning rate/% 120.00% 100.00% 80.00% 60.00% 40.00% 20.00% 0.00% 97.92% 100.00% 2025111226 B210670RP Serum Lot Number	
培养时间 / 小时	24h-4X
2025111226	
B210670RP	

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图示 VERO E6 100.00% 90.00% 80.00% 70.00% 60.00% 50.00% 40.00% 30.00% 20.00% 10.00% 0.00% 87.50% 79.17% 2025111226 B210670RP Serum Lot Number	
培养时间 / 小时	48h-4X
2025111226	
B210670RP	

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图示 RAW264.7 <table><thead><tr><th>Serum Lot Number</th><th>Cloning rate/%</th></tr></thead><tbody><tr><td>2025111226</td><td>100.00%</td></tr><tr><td>B210670RP</td><td>97.92%</td></tr></tbody></table>		Serum Lot Number	Cloning rate/%	2025111226	100.00%	B210670RP	97.92%
Serum Lot Number	Cloning rate/%						
2025111226	100.00%						
B210670RP	97.92%						
培养时间 / 小时	24h-4X						
2025111226							
B210670RP							

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图示		A549 <table><tr><th>Serum Lot Number</th><th>Cloning rate/%</th></tr><tr><td>2025111226</td><td>100.00%</td></tr><tr><td>B210670RP</td><td>100.00%</td></tr></table>	Serum Lot Number	Cloning rate/%	2025111226	100.00%	B210670RP	100.00%
Serum Lot Number	Cloning rate/%							
2025111226	100.00%							
B210670RP	100.00%							
培养时间 / 小时		48h-4X						
2025111226								
B210670RP								

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图示		293T <table><tr><th>Serum Lot Number</th><th>Cloning rate/%</th></tr><tr><td>2025111226</td><td>95.56%</td></tr><tr><td>B210670RP</td><td>100.00%</td></tr></table>		Serum Lot Number	Cloning rate/%	2025111226	95.56%	B210670RP	100.00%
Serum Lot Number	Cloning rate/%								
2025111226	95.56%								
B210670RP	100.00%								
培养时间 / 小时		24h-4X							
2025111226									
B210670RP									

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图示	HUVEC <table><tr><th>Serum Lot Number</th><th>Cloning rate/%</th></tr><tr><td>2025111226</td><td>93.75%</td></tr><tr><td>B210670RP</td><td>97.92%</td></tr></table>	Serum Lot Number	Cloning rate/%	2025111226	93.75%	B210670RP	97.92%
	Serum Lot Number	Cloning rate/%					
2025111226	93.75%						
B210670RP	97.92%						
培养时间 / 小时	48h-4X						
2025111226							
B210670RP							

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图示 HepG2 Cloning rate/% 120.00% 100.00% 80.00% 60.00% 40.00% 20.00% 0.00% 97.92% 91.67% 2025111226 B210670RP Serum Lot Number	
培养时间 / 小时	24h-4X
2025111226	
B210670RP	

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