

Certificate of Analysis

Axygen Biosciences Limited hereby certifies that the product described below has been manufactured in accordance with established manufacturing guidelines and product specifications. The product conforms to all Quality requirements.

Catalog Number: AP-MX-P-25

Product Description: AxyPrep Maxi Plasmid Kits (Finished Kit)

Mfg. Lot Number: KA12090701

1. Spectrophotometric Analysis (UV absorption)

◆ **A₂₆₀/A₂₈₀ Testing Specification:** Acceptable Range for A₂₆₀/A₂₈₀=1.8±0.15.

◆ **Yield Specification:** Comparison of the Test Sample to a previously tested Standard. Acceptable range for Test Sample is ≤± 10% of Standard, based upon spectrophotometric analysis. The “Standard” is a previously tested and validated sample.

Test Results:

Item	Test Data				Samples
	1	2	3	4	
A ₂₆₀	0.292	0.296	0.300	0.305	1, 2 are duplicate Test Samples 3, 4 are duplicate Standards
A ₂₈₀	0.155	0.166	0.157	0.162	
A ₂₆₀ /A ₂₈₀	1.88	1.78	1.91	1.88	
Yield (µg)	197.1	199.8	202.5	205.88	
[Test Sample/Standard] Yield Difference	-2.8 %				PASS

2. Restriction Analysis

◆ **Restriction Specification:** 1µg of plasmid is digested to completion by EcoRI.

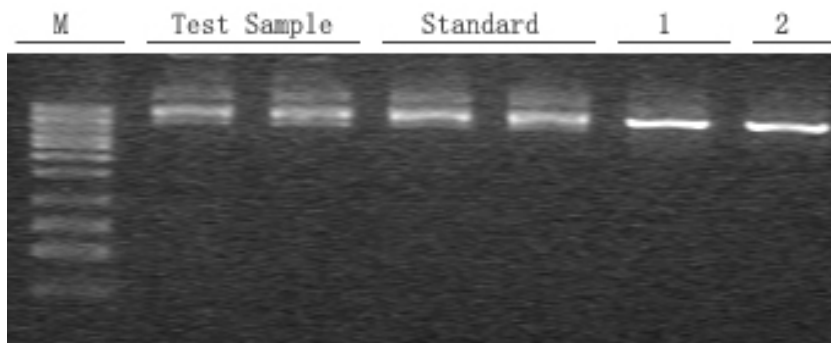
3. Electrophoretic Analysis

◆ **Electrophoresis Testing Specification:**

- Agarose gel electrophoresis of prepared plasmid DNA exhibits a tight plasmid band and no degradation.
- Agarose gel electrophoresis of prepared plasmid DNA exhibits no visible RNA.
- Agarose gel electrophoresis of prepared plasmid DNA exhibits no contaminating genomic DNA.

Electrophoresis	✓	✓	✓	✓	PASS
No visible RNA	✓	✓	✓	✓	
Endonuclease digest	✓	✓	✓	✓	

Gel image:



1: Digested with EcoRI of Test Sample

2: Digested with EcoRI of Standard

Axygen Biosciences Limited warrants and represents that all inspections and testing for the article described above have been performed at Axygen Biosciences Limited QC laboratory located on-site at the manufacturing plant. Axygen Biosciences Limited manufacturing facility is located at Building B2, Industrial Zone of Xiacheng District (Huafeng, Shiqiao), Hangzhou310022, P.R.China.

Approved By: _____ Date: _____
Quality Assurance