

Certificate of Analysis

Axygen Bioscience 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-MD-P-25

Product Description: AxyPrep Midi Plasmid Kits (Finished Kit)

Mfg. Lot Number: KA11100301

1. Spectrophotometric Analysis (uv absorption)

◆ **A₂₆₀/A₂₈₀ Specification:** Acceptable Range for $A_{260}/A_{280}=1.8\pm 0.15$.

◆ **Yield Specification:** Comparison of the Test Sample to a previously tested Standard. Acceptable range for Test Sample is $\leq \pm 10\%$ 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	0.72	0.697	0.562	0.744	1,2 are duplicate Test Samples 3,4 are duplicate Standards
A ₂₈₀	0.384	0.369	0.296	0.388	
A ₂₆₀ /A ₂₈₀	1.88	1.89	1.90	1.92	
Yield (µg)	145.8	141.14	113.81	150.66	
[Test Sample/Standard} Yield Difference	8.5%				PASS

2. Restriction Analysis

◆ **Restriction Specification:** 1µg of each prepared plasmid sample was digested to completion by EcoR I.

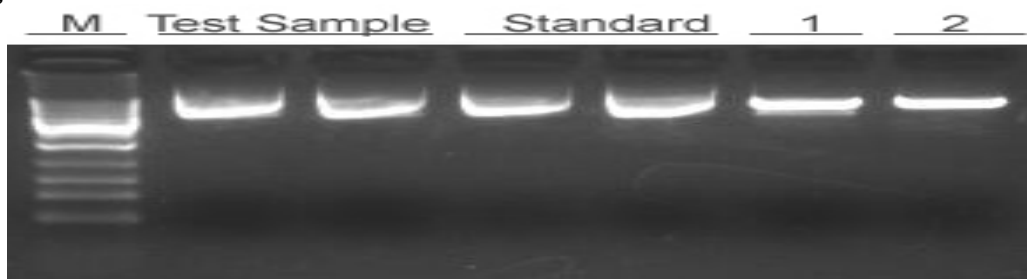
3. Electrophoretic Analysis

◆ **Electrophoresis Testing Specification:**

- a. Agarose gel electrophoresis of prepared plasmid DNA exhibits a tight supercoiled plasmid band with no degradation.
- b. Agarose gel electrophoresis of prepared plasmid DNA exhibits no visible RNA.
- c. Agarose gel electrophoresis of prepared plasmid DNA exhibits no visible genomic DNA contamination.

Electrophoresis	✓	✓	✓	✓	PASS
No visible RNA	✓	✓	✓	✓	
Restriction digest	✓	✓	✓	✓	

Gel image:



Lanes 1 Digested with EcoRI of Test Sample

Lanes 2 Digested with EcoRI of Standard

Axygen Bioscience Limited warrants and represents that all inspections and testing for the article described above have been performed at Axygen Bioscience Limited QC laboratory located on-site at the manufacturing plant. Axygen Bioscience Limited manufacturing facility is located at Building B2, Industrial Zone of Xiacheng District (Huafeng, Shiqiao), Hangzhou 310022, P.R.China.

Approved By: _____ Date: _____
Quality Assurance