

Certificate of Analysis

Project ID: C7138299G0-1
Lot No: C7138299G0-1/PD81282
Plasmid Name: pUC18 plasmid DNA
Quantity: 100 µg(50 µg each,2 vials) **Concentration:** N/A
Final Buffer: Lyophilized
Competent cell: NEB Stable **Growth Temperature:** 37 °C

QC Items	Specifications	Results	
Appearance	Colorless, clear, free of precipitate or foreign particles	Pass	Clear, colorless, no visible particulates
Sequence Accuracy	Sequencing verification match the order requirements	Pass	Matched
Restriction Analysis	DNA bands with expected sizes detected by agarose gel electrophoresis	Pass	Matched
			Shown in attachment 1
A260/280	1.8-2.0	Pass	1.95
Residual RNA	Not visible on agarose gel	Pass	Invisible
E.coli Genomic DNA	The intensity of genomic DNA <15% of that of all bands	Pass	
Homogeneity	Predominantly supercoil	Pass	
Endotoxin	<input type="checkbox"/> N/A	N/A	N/A
	<input checked="" type="checkbox"/> No QC testing requested		
Bio-Burden Test	<input type="checkbox"/> Bio-Burden Test	N/A	N/A
	<input checked="" type="checkbox"/> No QC testing requested		
Additional Tests	N/A	N/A	

NOTE

Plasmid Storing at	Bacstab Storing at	Glycerol Stock Storing at
-20°C	4°C	-80°C

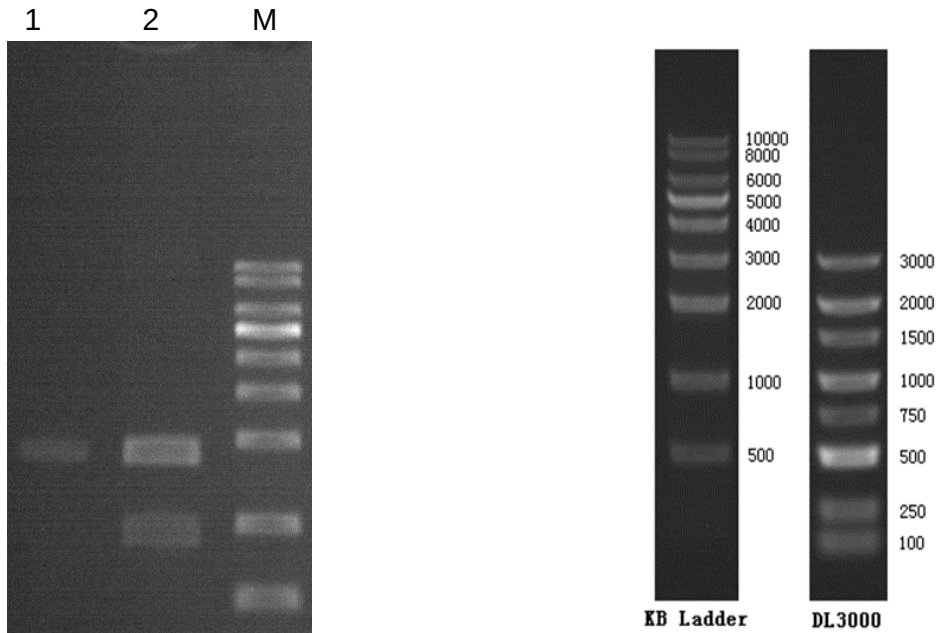
Certified by: *wanying Xu* Date: 03/13/2024

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Enzyme Digestion



Lane M: KB Ladder
 Lane 1: C7138299G0-1 plasmid
 Lane 2: C7138299G0-1 plasmid digested
 by Scal and HindIII

Restriction digest of plasmid DNA:
 About 100-200 ng of plasmid was digested
 at 37°C for 30-60 minutes and analyzed on
 1% Agarose Gel