

# Certificate of Analysis

**Project ID:** C9220SEQG0-1  
**Lot No:** C9220SEQG0-1/PL72834  
**Plasmid Name:** pUC57 plasmid DNA  
**Quantity:** 250 µg(50 µg each,5 vials) **Concentration:** N/A  
**Final Buffer:** Lyophilized  
**Competent cell:** GenHCRV1 **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	1.96
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	
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

*Juan Li*
**Certified by:**
**Date:** 05/03/2024

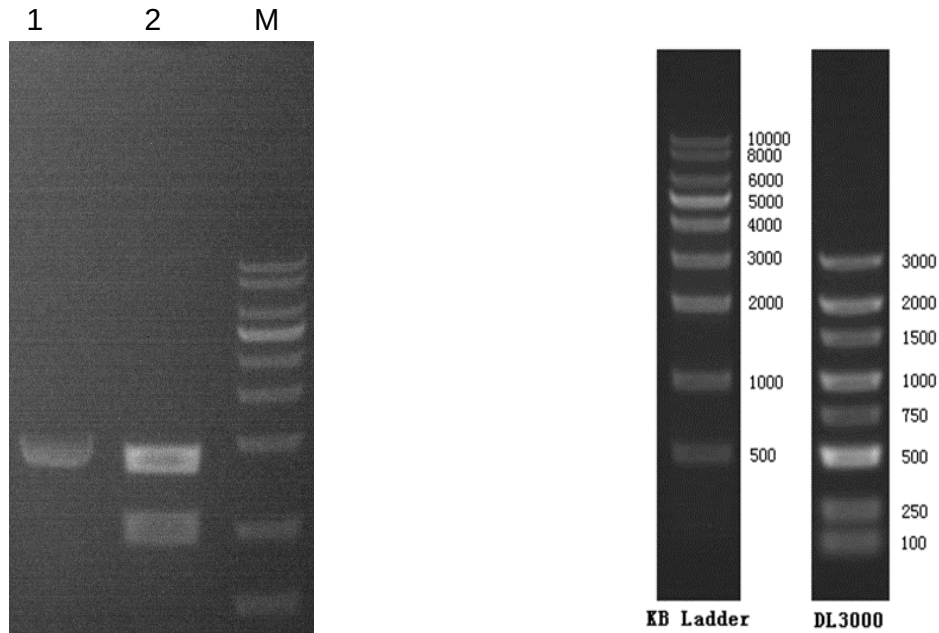
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# Enzyme Digestion



Lane M: KB Ladder  
Lane 1: C9220SEQG0-1 plasmid  
Lane 2: C9220SEQG0-1 plasmid digested  
by HindIII and Scal

## 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