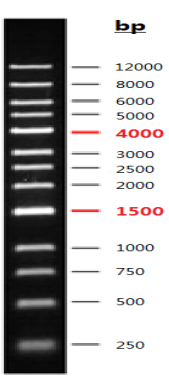
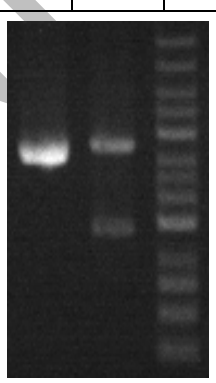
# Certificate of Analysis

| | | | |
|---|---|---|---|
| **Vector Name** | pLIB | **Catalog No.** | V000174 |
| **Project/Lot No.** | G0333909-1/D89236 | **Strain** | DH10B |
| **Quantity** | 100ug | **Resistance** | Ampicillin |

## QC Results

| Test Items | Specifications | Results |
|---|---|---|
| **Appearance** | Clear, no visible particles | Pass |
| **Concentration** | The error range is within 5% | Pass |
| **A260/280** | 1.8 - 2.0 | Pass |
| **A260/230** | >2.0 | Pass |
| **Supercoiled content** | No request | N/A |
| **Residual RNA** | Not visible upon electrophoresis | Pass |
| **Genomic DNA** | Not visible upon electrophoresis | Pass |
| **Restriction Analysis** | Conforms to reference | Pass |
| **Bioburden assay** | No growth on agar plate after 24 hours | N/A |
| **Endotoxin Test** | Verified, (Endo-Free Preps Only) | N/A |
| **Label** | Correct and white | Pass |
| **Sequencing** | Correct | Pass |
| **Comments** | - | - |

## Restriction Digestion Map

| Marker | 1 | 2 | M | Description of Map |
|---|---|---|---|---|
|  |  | | | **Lane1**: Plasmid DNA<br><br>**Lane2**: Plasmid digested by EcoRV-HindIII (3,545 bp + 1,425 bp in theory)<br><br>**Lane M**: DNA Marker |



**Certified by: Chou Fang**

**Date: Sep/12/2024**

**Valid until: Sep/12/2027**

CONFIDENTIAL