

**武汉一沃生物科技有限公司**

**All In One High-Efficiency mRNA Synthesis Kit Inspection Report**

|  |  |  |  |
| --- | --- | --- | --- |
| Product Name | All In One High-Efficiency mRNA Synthesis Kit | Manufacturing Date |  |
| Lot Number |  | Expiration Date |  |
| Specification | 50rxns |

reagent components

|  |  |  |
| --- | --- | --- |
| Name | Concentration | Volume |
| H2O(RNase-free) | / | 1.6 mL |
| ATP | 100 mM | 75 μL |
| CTP | 100 mM | 75 μL |
| UTP | 100 mM | 75 μL |
| m1Ψ | 100 mM | 75 μL |
| GTP | 100 mM | 75 μL |
| Cap GAG | 100mM | 75 μL |
| Buffer | 10× | 100 μL |
| EnzymeMix | 10× | 450 μL |
| DNaseI | / | 100 μL |
| LiCl | / | 3 mL |

Inspection Results

|  |  |  |
| --- | --- | --- |
| **Inspection Items** | **Standard Specifications** | **Inspection Results** |
| Y**ield** | Using eGFP as a template, in a 20 μL reaction system, incubate at 37°C for 4 hours. After digesting with 2 μL DNaseI at 37°C for 15 minutes, take 1/200 of the reaction volume for agarose gel electrophoresis. The band intensity should be greater than 750 ng for the final eGFP mRNA product. | Meets |
| Length | 985 nt | Meets |
| Purity | Agarose gel electrophoresis should yield a purity of greater than 98%. | Meets |

 Conclusion: Meets standard requirements.

Reviewer：

Approver：

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