



## Certificate of Analysis

Product Name:	Gloria Nova HS 2X Master Mix				
Cat No.:	RK20717	Lot No.:	962117I09W04	Exp.:	2023.08
Conc.:	2X			Storage:	-20°C

Assay Name/Specification (Minimum release criteria)	Data	Result
<b>PCR Amplification (5 kb Lambda DNA, Master Mix)</b> A 25 µl reaction in 1X Sample and 0.5µM primers containing 10 ng Lambda DNA for 30 cycles of PCR amplification results in the expected 5 kb product.	Expected 0.5kb,0.35 8kb,0.8kb , 5kb and 8kb product	Pass
<b>PCR Amplification (0.358 kb、0.8kb、8kb Human Genomic DNA, Master Mix)</b> A 25 µl reaction in 1X Sample and 0.5µM primers containing 10 ng Human Genomic DNA for 30 cycles of PCR amplification results in the expected 10 kb product.		
<b>PCR Amplification (5 kb E.coli Genomic DNA, Master Mix)</b> A 25 µl reaction in 1X Sample and 0.5µM primers containing 10 ng E.coli Genomic DNA for 30 cycles of PCR amplification results in the expected 5 kb product.		
<b>PCR Amplification (0.5 kb Rat Genomic DNA, Master Mix)</b> A 25 µl reaction in 1X Sample and 0.5µM primers containing 10 ng Rat Genomic DNA for 30 cycles of PCR amplification results in the expected 0.5 kb product.		
<b>gDNA Contamination</b> A minimum of 1 µl Sample is screened for the presence of <i>E.coli</i> genomic DNA using SYBR Green with primers specific for the <i>E.coli</i> 16 S rRNA locus. Results are quantified using a standard curve generated from purified <i>E.coli</i> genomic DNA. The measured level of <i>E.coli</i> genomic DNA contamination is less than 1 copy <i>E.coli</i> genome.	< 1 Copy/µl	Pass
<b>RNase Activity</b> A 20 µl reaction in ABuffer S containing 500 ng total RNA and a minimum of 1 µl Sample is incubated at 37°C. After incubation for 4 hours, the substrate RNA remains intact as determined by gel electrophoresis.	No Degradation	Pass

### Conclusion:

In compliance.

Authorized By: Li Shuangjie

Tested By: Wang Yuhong

Date: 2021-09-02

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