

CERTIFICATE OF ANALYSIS

产品名称:	ABclonal First Strand Synthesis Module		
货号:	RK20353	批号:	NK14K17W07
生产日期:	2020.11.30	保质期:	2021.11
		存储条件:	-20℃

QC 结果

检测项目	标准	结果	结论
Functional test	1. 10 and 1000ng input total RNA. Isolated mRNA fragmentation at 94 °C for 10 minutes. DNA libraries constructed and size-selected, then amplified by PCR. Library yields, and sizes were determined by Qubit and Bioanalyzer, respectively. 2. DNA libraries constructed from different mRNA fragmentation conditions and different input total RNA were sequenced on Illumina HiSeq platform. Raw reads quality and clean data mapping quality were determined. 3. 10 ng total RNA input, 200-500 ng DNA lib yields; 1000ng total RNA input, 500-1000ng DNA lib yields; host mapping >90%; E.coli reads <1%, pseudomonas reads <1%.	Yields, 320/451 ng (10ng input); 1232/1105 ng (1000ng input). Aligned%, >90% (1000ng input); E.coli mapping <0.1%; Pseudomonas 0	Pass
mRNA fragmentation	Fragmented RNA peak size: 94°C/15min: 200-300bp; 94°C/10min: 300-450bp; 94°C/5min: 400-600bp;	Lot peak deviation <20bp	Pass
cDNA synthesis efficiency test	1000ng input total RNA. Isolated mRNA fragmentation at 94 °C for 15 minutes. House keeping genes were detected using qPCR.	no significant difference (P>0.05)	Pass
NTC test	1. No template as input and fragmented at 94 °C for 10 min, followed by DNA Libraries construction without size-selected, then amplified by 15 cycles of PCR. DNA libraries were determined by Qubit and sequenced on Illumina platform. Total DNA library yield <10ng, E.coli reads <10%, pseudomonas reads <10%.	Yields <10ng; E.coli Mapping 1.79 ~ 2.50%; Pseudomonas <0.1%	Pass
gDNA qPCR test	1. all components were monitored by qPCR using 16S primers. E.coli gDNA copies <1	gDNA copy <1	Pass
外观	质量标准: 澄清, 无可见颗粒物	澄清	通过
评论	-	-	-

结论: 符合出厂标准
Conclusion: In compliance



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日期(Date): 2020.12.07

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