



HiScript I™ First Strand cDNA Synthesis Kit

Cat. No : AM0675-0050

Volume : 100 Rxn

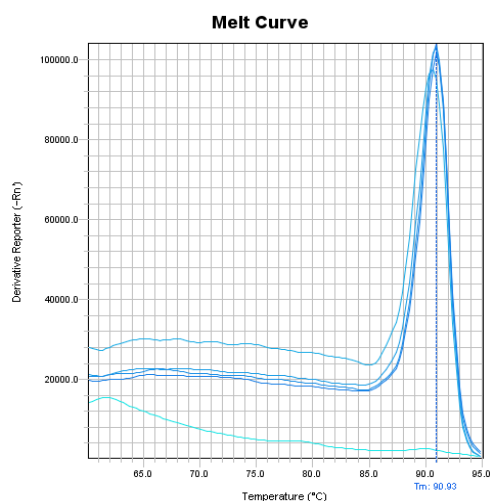
Storage : -20 °C

· The First Step_ Reverse Transcription

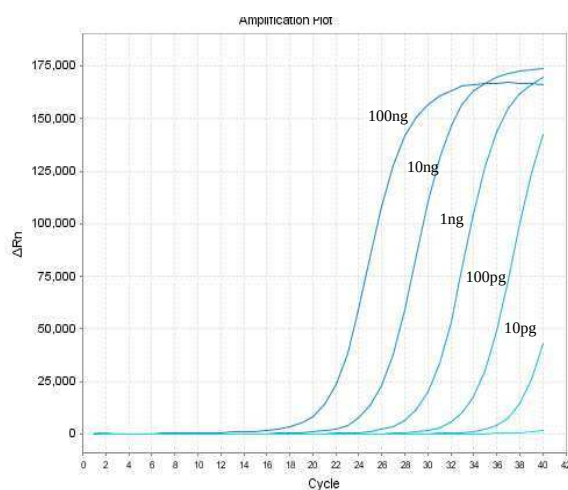
First-Strand Synthesis System	
Component	Volume per Reaction
2x Fast premix (1mL)	10 ul
Primer mix (200 ul) (Oligo dT ₁₈ & Random Hexamers)	2 ul
ddH ₂ O (1mL)	variable
RNA(1 μg ~ 10pg)	variable
Total volume	19 ul
65°C	5 min
On Ice	1 min
Reverse Transcription (RT)	
HiScript I Reverse Transcriptase (20000U/100ul)	1 ul
42°C	30 min
RT inactivation	
85°C	5 min

· The Second Step_ PCR Reaction

Component			Volume per Reaction	
10x PCR buffer			5 ul	
10uM Primer F			1 ul	
10uM Primer R			1 ul	
25nm dNTPs			0.5 ul	
2U/ul Mix Taq			1 ul	
ddH ₂ O			39.5 ul	
cDNA			2 ul	
Total volume			50 ul	
PCR				
94°C	94°C	54°C	72°C	72°C
1 min	30 sec	30 sec	X (1kb/min)	1 min
	40 cycle			



Real-time PCR of β -actin gene (353bp) of HeLa cell total RNA using 2x Fast Reverse Transcriptase. The accuracy of qPCR is demonstrated by R^2 value = 0.99. (10-fold diluted RNAs from 100ng to 10pg of cDNA) °



1. HeLa total RNA #3

- (a) 100ng
- (b) 10ng
- (c) 1ng
- (d) 100pg
- (e) 10pg

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