Easy-Go™ RT PreMix

PROTOCOL:

1. Mix the template RNA and primer in a sterile tube as indicated below:

Reaction volume		**20 µl reaction**
Template RNA	**Total RNA**	0.5-1.0 µg
	Poly(A)$^+$ RNA	0.05-0.1 µg
Primer	**Sequence specific**	10-30 pmol
	Oligo dT$_{18}$	100 pmol
	Random primers	100 pmol

2. Incubate the mixture at **70°C for 5 min** and place **it on ice**.

3. Transfer the incubated mixture to an ***Easy-Go™ RT PreMix*** **tube**, then make up the reaction volume with DEPC-Water to 20 µl.

4. Dissolve the lyophilized pellet by vortexing, and briefly spin down.

5. Add mineral oil to each tube (this step is unnecessary when using a thermal cycler with top heating).

6. Perform cDNA synthesis reaction as follows:

42 °C, 60 min (cDNA synthesis)

94 °C, 5 min.(RTase inactivation)

If PCR is needed following RT reaction, perform the PCR reaction as follows:

1. Transfer 2-5 µl of the RT product (synthesized cDNA) to ***Easy-Do™ PCR PreMix*** **tube** (20 µl reaction volume).

2. Perform PCR cycles according to the PCR condition.

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