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cDNA synthesis

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ABSTRACT

High-Capacity cDNA Reverse Transcription Kits(#4368814, Applied Biosystems - ThermoFisher)

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1 Prepare the 2X master mix (ul per sample):
- 2ul RT Buffer
- 0.8ul 25X dNTP Mix(100mM)
- 2ul Random primers
- 1ul Multiscribe Reverse Transcriptase

- 4.2ul Nuclease free water

2 Take 0.5ug of RNA in a maximum of 10ul of sample volume

3 Mix the 2X master mix (10ul) with the RNA samples (10ul) and mix by pippeting

4 Centrifuge the plates to spin down all the reagents.

5 Keep the samples on ice

6 Program the thermal cycler to 25C for 10min 37C for 120 mintues 85C for 5 minutes and 4C until finished.

7 Store the cDNA samples at -20C for short-term storage or -80C for long-term storage (years).

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