

NOYA-REV MMX kit
Catalog number: N-1131
« Research Use Only »

Introduction:

NOYA Revert-RNA MMX-1 First Strand cDNA Synthesis Kit is a complete system for highly efficient synthesis of first strand cDNA. The kit uses the specific H Minus Reverse Transcriptase (RT), which is an advanced enzyme derived by in vitro evolution of M-MuLV RT. The enzyme features the highest thermostability among the derivatives of M-MuLV RT and lacks RNase H activity. Kit cocktail designated for Random hexamers based cDNA synthesis and fully optimized for efficient synthesis especially for low abundant RNA. Its protocol are very robust. cDNA synthesized by this method can be used directly for PCR amplification process.

Includes:

1-Revert-RNA MMX1 (store at -20°C): 25 rxn, 125ul
2-RT-Enzyme (store at -20°C): 10ul
3-Ampliwax (store at 4°C): 1ml

Procedure:

- Take the tube for amplification out of the freezer, defrost the contents of test tube. Store cautiously & put all the test tubes in the sample-cooler or cool box & put Ampliwax on 65°C in heating block.
- Mark the necessary quantity of microtest-tube of 0.2 ml, one microtest-tube for Positive control sample (+) & one microtest-tube Negative control sample(-) & one microtest-tube for working solution .
- Prepare the working solution of RT-MIX, The calculation of components for preparation of RT-MIX is represented in the following table:

Microtest-tube	RT-MIX	RT-Enzyme/ μ l
1	5	0.4
2	10	0.8
3	15	1.2
(n+1)	(n+1) x 5	(n+1) x 0.4

- Vortex & microfuge the microtest-tube for 5-10 seconds.
- Add 5.3 μ l of working solution of RT-MIX in all microtest-tube .
- Add 5 μ l of Negative control sample in the microtest-tube marked (C-).
- Add 5 μ l of RNA in the analyzing microtest-tube.
- Add 5 μ l of Positive control sample in the microtest-tube marked (C+) .
- Vortex & microfuge the microtest-tube for 2-3 seconds.
- Put one drop (not less than 30 μ l) of Ampliwax in all microtest- tube .
- Put microtest-tube 5 min at room temperature.
- Put all the microtest-tube into thermocycler & start the program:

- Programme 1: → 10 min 25 °C → (1 cycle)
- Programme 2: → 60 min 42 °C → (1 cycle)
- Programme 3: → 3min 95 °C → (1 cycle)

CAUTION

All reagents in this kit are intended for research purposes. Do not use for diagnosis or clinical purposes. Please observe general laboratory precaution and utilize safety while using this kit.

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TIME IS THE WORST THING TO WASTE

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