



94837

RT-PCR Kit (First Strand cDNA Synthesis Kit)

Part E

Specifications

Appearance (Form)

Liquid

Appearance (Colour)

Colourless

Absence of nucleases

No RNase, DNase contamination
detected

Other Information

Description

RT-PCR Kit is optimized to synthesize first-strand cDNA from purified poly (A)+ or total RNA. The RT-PCR kit for RT-PCR delivers increased cDNA yields, high sensitivity, and full-length transcripts in a convenient format. All the components needed for successful first-strand cDNA synthesis is included, saving time and ensuring success with every experiment. The kit Reverse Transcriptase is a version of M-MLV RT that has been engineered to reduce RNase H activity and provide increased thermal stability.

The enzyme is used to synthesize cDNA at a temperature range of 42-55°C, providing increased specificity, higher yields of cDNA, and more full-length product than other reverse transcriptases.

Applications

First strand cDNA synthesis for RT-PCR.
Construction of cDNA libraries.
One-step RT-PCR
Primer extension

Includes

- 20 preps
- M-MLV (Recombinant) (200U/?l) - 20.0 ?l
 - Reaction Buffer (10X) - 40.0 ?l
 - Oligo (dT) 15 Primer (50?M) - 20.0 ?l
 - Random Hexamer Primer 6-mer (50?M) - 20.0 ?l
 - RNasin (40U/ ?l) - 12.5 ?l
 - dNTP Mix (10mM each) - 50.0 ?l
 - RNase Free Water - 1.0 ml

- 40 preps
- M-MLV (Recombinant) (200U/?l) - 40.0 ?l
 - Reaction Buffer (10X) - 80.0 ?l
 - Oligo (dT) 15 Primer (50?M) - 40.0 ?l
 - Random Hexamer Primer 6-mer (50?M) - 40.0 ?l
 - RNasin (40U/ ?l) - 25.0 ?l
 - dNTP Mix (10mM each) - 100.0 ?l
 - RNase Free Water - 2.0 ml

- 100 preps
- M-MLV (Recombinant) (200U/?l) - 100.0 ?l
 - Reaction Buffer (10X) - 200.0 ?l
 - Oligo (dT) 15 Primer (50?M) - 100.0 ?l
 - Random Hexamer Primer 6-mer (50?M) - 100.0 ?l
 - RNasin (40U/ ?l) - 60.0 ?l
 - dNTP Mix (10mM each) - 250.0 ?l
 - RNase Free Water - 5.0 ml

General Information

Storage	-20 °C (Blue/Dry Ice)
Shelf Life	24 Months
IMDG Identification	Not Regulated for Transport (Non-Haz)
HSN Code	
100 Preps	38229090 (GST 12%)
20 Preps	38229090 (GST 12%)
40 Preps	38229090 (GST 12%)

Available Packages

- 20 Preps
- 40 Preps
- 100 Preps

Disclaimer

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