



DTI dNTP Mix (10 mM each)

Instruction Manual for use



User Manual for DTI dNTP Mix (10 mM each)

Catalogue number: DT0501.1K

Note: This datasheet is applicable to all pack sizes and customization for the product is possible

Manufactured by
DSS Takara Bio India Pvt Ltd
A-5 Mohan Co-operative, Industrial Estate,
Mathura Road, New Delhi, Delhi 110044

1) Product Description:

DTI dNTP Mix (10 mM each) is a mixture of dATP, dCTP, dGTP, and dTTP.

2) Components:

Components	Cat# DT0501.1K
DTI dNTP Mix (10 mM each)	1 ml

3) Concentration: 10mM each**4) Form :** Solution (sodium salt) , pH 7 - 9**5) Storage:** -20°C**6) Purity:** $\geq 98\%$ **7) Performance:**

- Good performance was confirmed by PCR amplification of 500 bp and 20 kb fragments from λ DNA template.
- Good performance was confirmed by RT-PCR amplification of a 4.4 kb fragment of the human TFR gene from HL60 cell total RNA.

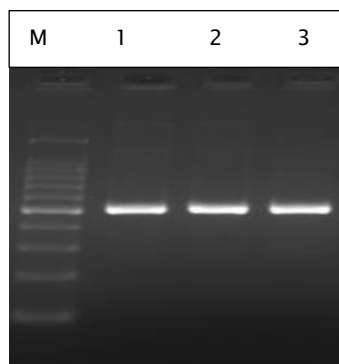
8) Applications:

- Ready-to-use : can be used in PCR reactions without dilution or after diluting to 2.5 mM dNTP
- Use as a substrate for other DNA amplification and cDNA synthesis reactions.

9) Experimental sample:

- Consistent amplification of 500 bp fragment from λ DNA is observed using 10 mM dNTP in the RR002M TaKaRa LA Taq® DNA Polymerase (Mg²⁺ plus buffer) PCR system. The protocol used for the assay and the results are as follows:

94 C 30 sec }
 65 C 30 sec } 25 Cycles
 72 C 1.5 min }



Lane M: 100 bp DNA ladder
 (cat# DT1801.100)
 Lane 1-3: Test in triplicates

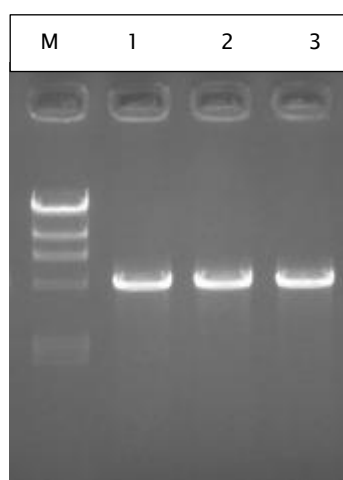
- ii) Consistent amplification in RT-PCR was confirmed using total RNA from HL60 cells as a template (amplified fragment: TFR region 4.4 kbp). dNTP has been used in the Takara cat# PrimeScript™ RT-PCR Kit RT PCR system. The protocol used for the assay and the results are as follows:

cDNA synthesis conditions:

30 C	10 min
55 C	30 min
99 C	5 min
5 C	5 min

PCR conditions:

94 C	30 sec	} 30 Cycles
65 C	5 min	



Lane M: λ Hind III digest marker
Lane 1-3: Test in triplicates

Visit <https://dsstakarabio.com/pages/dti-dntp-mix> for more detailed product information




For more information contact directly below;

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Email: enquiries@dsstakarabio.com

Toll-Free number 1800-212-4922

Description of Symbol Used:

- REF** Catalogue number
- LOT** Batch Code
-  Date of Manufacturing
-  Use-by-date
-  Contains sufficient for <n> tests