



DTI Nuclease free water

Instruction Manual for use



User Manual for DTI Nuclease free water

Catalogue number: DT0801.10

Kit for Research use purpose only

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 Nuclease free water is ultra-filtered deionized water that is designed for use in all molecular biology applications. The product is DNase and RNase free. Since it is not treated with DEPC, there is no worry about the inhibition of RT-PCR by residual DEPC.

2) Storage: -20°C**3) Components:**

Components	DT0801.10
DTI Nuclease free water	1 ml x 10

* Customized pack sizes available on request

4) Quality Control data:

Please see the certificate of analysis (CoA) for each lot

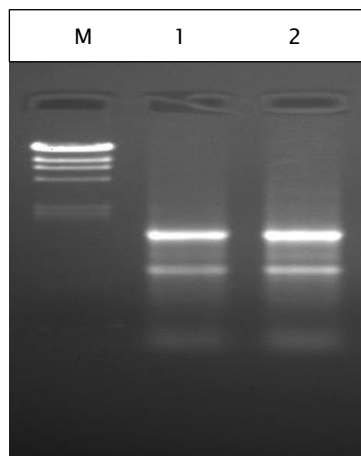
5) Application:

The Nuclease free Water can be used:

- in cDNA synthesis and PCR amplification
- for the dilution of template as required in PCR assay
- for the elution of nucleic acid during nucleic acid isolation

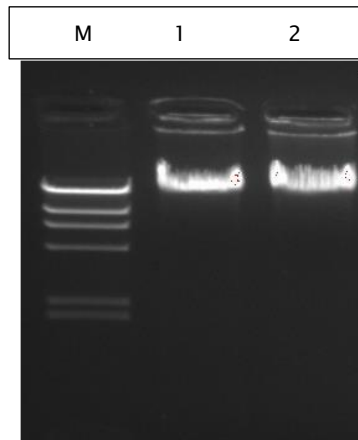
6) Experimental sample:

a) RNase contamination check: RNase activity was not detected by agarose gel electrophoresis when 1 µg of total RNA derived from HL60 cells was incubated with the nuclease free water for 16 hours at 37°C. Below is the electrophoresis image for the same.



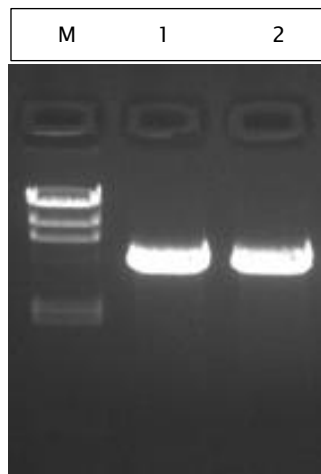
Lane M: λ Hind III
digest marker
Lane 1, 2: Test sample

b) DNase contamination check: DNase activity was not detected by agarose gel electrophoresis when 1 µg of λDNA was incubated with the nuclease free water for 16 hours at 37°C. Below is the electrophoresis image for the same.



Lane M: λ Hind III digest marker
Lane 1, 2: Test sample

c) RT-PCR data: In the below study, the nuclease free water has been used to dilute the RNA template, used as a component in the cDNA synthesis and PCR reaction system to amplify specific target band of 4.4Kb total RNA.



Lane M: λ Hind III digest marker
Lane 1, 2: Test sample

7) Ordering information:

Catalogue No.	Product Description	Pack Size
DT0801.10	DTI Nuclease free water	1 ml x 10

Visit www.dsstakarabio.com/DTI for more detailed product information






For more information contact directly below;

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

Email: enquiries@dsstakarabio.com

Toll-Free number 1800-212-4922

Description of Symbol Used:

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