






Water RNA/DNA Purification Kit



Isolate Total DNA and RNA From All Microorganisms Found in Water



Norgen's Water RNA/DNA Purification Kit provides a convenient and rapid isolation and purification of total RNA and DNA simultaneously from the microorganisms found in different types of water samples. The total RNA and DNA (including genomic DNA) are isolated from all the microorganisms found in the water, including bacteria, fungi and algae without the use of any inhibitory organic substances. The kit purifies genomic DNA, and all sizes of RNA, from large mRNA and ribosomal RNA down to microRNA (miRNA) and small interfering RNA (siRNA). The purified RNA and DNA are highly concentrated, and can be used directly in a number of downstream applications including PCR, qPCR, RT-PCR, qRT-PCR, Northern blotting, Southern blotting and sequencing reactions.

-  Isolate total DNA and RNA from all microorganisms found in water, including bacteria, fungi and algae
-  RNA and DNA are both column purified simultaneously using the same column
-  Elution contains concentrated DNA and RNA without the need for further precipitation
-  Complete RNA (including microRNA) without phenol
-  Isolated RNA and DNA are of high quality and integrity for all downstream applications



Excellent Yield and Purity

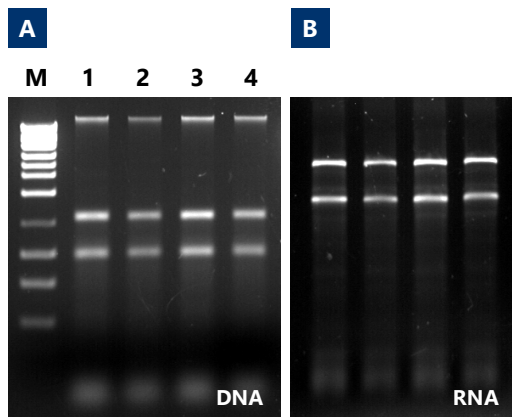


Figure 1. High Yield and Purity of RNA and DNA. Total RNA and DNA were simultaneously isolated from 50 mL of water sample containing 10^7 cfu/mL *E. coli* using Norgen's Water RNA/DNA Purification Kit and subsequently run on gels for visual analysis.

Excellent Quality

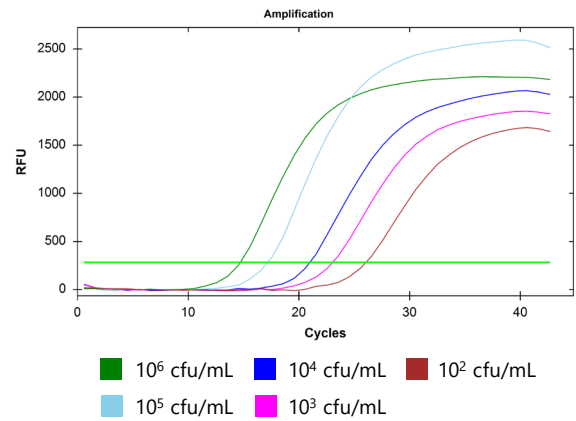


Figure 2. Detection of *E. coli* 16S rDNA by Real-Time PCR (SYBR Green). Fifty mL water samples spiked with increasing amounts of *E. coli* were filtrated through 0.45 μ m water filter columns, and RNase-treated DNA was isolated from the filter by following Norgen's Water RNA/DNA Purification Kit manual.

Ordering Information

Water Kit (without filters)	Prep Size	Cat. #
Water RNA/DNA Purification Kit	50 preps	26480
Water Kits (with filters)	Prep Size	Cat. #
Water RNA/DNA Purification Kit (0.45 μ m)	25 preps	26450
Water RNA/DNA Purification Kit (0.22 μ m)	25 preps	26400

Related Products

Water Pathogen Detection	Prep Size	Cat. #
<i>Giardia intestinalis</i> TaqMan RT-PCR Kit	24 rxns	TM43800
<i>Cryptosporidium</i> TaqMan RT-PCR Kit	24 rxns	TM39100

For more information, visit our website www.norgenbiotek.com

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