

DNA Isolation from Water



UltraClean™ Water DNA Isolation Kits (w/wo Filters)

For isolating DNA from microorganisms in small or large water samples

DESCRIPTION

UltraClean™ Water DNA Isolation Kits are designed to isolate high quality genomic DNA from water borne microorganisms present in small or large volume water samples. Water samples are filtered through a provided 0.45 or 0.22 µm filter membrane. Alternatively, you can use your own water filters and purchase the kit without filters. The cellulose acetate membrane is housed within a filter cup and can be easily removed for immediate use or stored for later processing. Filter cups have a 100 ml capacity but can be reloaded to filter liters of water. This filtration method captures microorganisms greater than the size of the filter. The filter is then added to a water bead tube containing beads, bead solution and lysis solution. This kit requires only a vortex, our Vortex Adapter, a vacuum source and a centrifuge capable of spinning 15 ml and 50 ml tubes. These water kits are used by the USEPA, USDA and municipal water districts for water analysis.

Features and Benefits

- Purify DNA from microorganisms in water in 35 minutes
- Yields quality DNA up to 50 kb plus ready for PCR, restriction digests and other downstream applications
- Useful for small or large volumes of water

REFERENCES:

1. Lievens, B., M. Brouwer, A.C.R.C. Vanachter, C.A. Levesque, B. PA. Cammue, and B. P.H.J. Thomma (2005) *Environmental Microbiology* 7 (11): 1462
2. Vora, G., C.E. Meador, D.A. Stenger, and J.D. Andreadis (2004) *Applied and Environmental Microbiology* 70(5): 3047

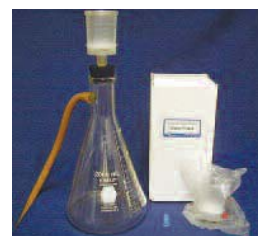


Water Filters and Water Filter Adapter

For the recovery of microorganisms from water samples

DESCRIPTION

The Water Filter product is a disposable filter unit designed to recover and culture microorganisms from potable water, process water, and other aqueous samples. It will convert into its own Petri dish after filtration, or the membrane can be easily removed and cultured in a separate Petri dish or on an agar plate. The Water Filter is ideal for use with the UltraClean™ Water DNA Isolation Kit without filters. A Water Filter Adapter is required for the attachment of the Water Filter Unit to a vacuum apparatus.



This symbol indicates the products that are part of our "Water is Life" Program. (See page 78)

RELATED PRODUCTS YOU MAY NEED

PCR Water (Certified DNA-free)
Soybean-Casein Digest Agar Medium (TSA), USP
Soybean-Casein Digest Medium (TSB), USP

UltraClean™ Water DNA Isolation Kit (0.45 µm filters)	
Catalog No.	Quantity
14800-10	10 preps
14800-25	25 preps
UltraClean™ Water DNA Isolation Kit (0.22 µm filters)	
Catalog No.	Quantity
14880-10	10 preps
14880-25	25 preps
UltraClean™ Water DNA Isolation Kit (No filters)	
Catalog No.	Quantity
14800-10-NF	10 preps
14800-25-NF	25 preps

Water Filter Adapter	
Catalog No.	Quantity
14800-10-WFA	Water Filter Adapter
Water Filter (0.45 µm)	
Catalog No.	Quantity
14800-10-WF	10 Water Filters (0.45 µm)
Water Filter (0.22 µm)	
Catalog No.	Quantity
14880-10-WF	10 Water Filters (0.22 µm)