

Datasheet for MB-009-1000**UltraPure Sterile Water****Overview**

Description:	UltraPure Sterile Water - MB-009-1000
Item No.:	MB-009-1000
Size:	1 L
Applications:	IHC, LFA

Product Details

Background:	Deionized ultrapure water is commonly used in laboratory to prepare buffers in biochemistry and molecular biology laboratories and also cell culture media for cell biology studies.
Synonyms:	Deionized water, sterile H2O

Target Details

Purity/Specificity:	UltraPure Sterile Water consists of highly polished pharmaceutical grade deionized water processed using sterile conditions. This product was aseptically filtered through a Millipore 0.22 micron filter into clean, pre-sterilized containers. The product was tested on trypticase soy agar for 24 hours, 48 hours and 72 hours and was found to be negative for bacteria.
Relevant Links:	MB-009 SDS

Application Details

Suggested Applications:	IHC, LFA (Based on references)
Application Note:	UltraPure Sterile Water is suitable for molecular immunology, molecular biology and nucleic acid methodologies, when applicable.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

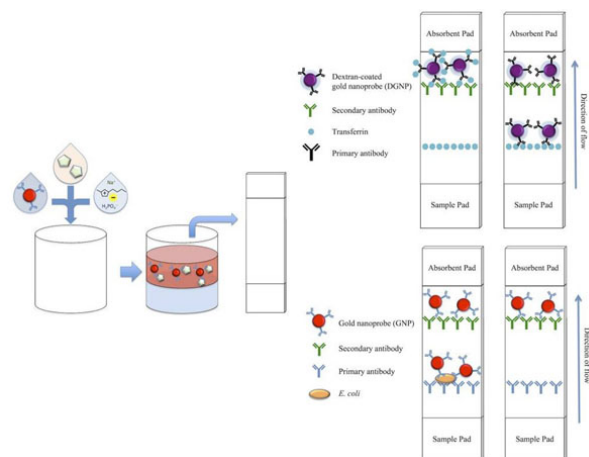
Physical State:	Liquid (sterile filtered)
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Concentration:	1 X
Preservative:	None
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store container at room temperature (18° to 26° C) prior to opening. If desired, the solution may be stored at 4° C or less.
Expiration:	Expiration date is six (6) months from date of receipt.

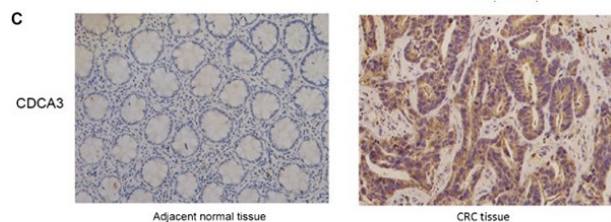
Images



Figure

Schematic of biomarker concentration with an IL ATPS and subsequent detection on the LFA. Gold nanoprobe and phase-forming components are first mixed with a known concentration of target analyte. Following phase separation, the top phase is extracted and applied to both the competitive format LFAs for detection of transferrin and sandwich format LFAs for the detection of *E. coli*. For the competitive format LFA, which utilizes purple-colored DGNPs, a positive test is indicated by a single purple band, while a negative test is indicated by two purple bands. For the sandwich format LFA, which utilizes red-colored GNPs, a positive test is indicated by two red bands, while a negative test is indicated by one red band.

Figure 1. PMID: 30386770.



Immunohistochemistry

Expression of CDCA3 in CRC tissues and cell lines and Kaplan-Meier survival analysis. (C) CDCA3 protein expression was examined by immunohistochemistry in 40 CRC tissues and 21 adjacent normal specimens. Figure 1. PMID: 30226575.



Bottle

UltraPure Sterile Water

References

- Sherine F Cheung et al. A Combined Aqueous Two-Phase System and Spot-Test Platform for the Rapid Detection of Escherichia coli O157:H7 in Milk. *SLAS Technol.* (2018)
- Yee, MF et al. Ionic Liquid Aqueous Two-Phase Systems for the Enhanced Paper-Based Detection of Transferrin and Escherichia coli. *Frontiers in Chemistry* (2018)
- Qian, W et al. CDCA3 mediates p21-dependent proliferation by regulating E2F1 expression in colorectal cancer. *International Journal of Oncology* (2018)

Disclaimer

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