



Sterile Distilled Water

R041

Intended use

Sterile Distilled Water is high quality water for use as a solvent in the preparation of culture media and laboratory reagents.

Composition**

Ingredients

Sterile Distilled Water

Directions

1. Sterile Distilled Water has wide range of application so follow appropriate direction as per application protocol.

Principle And Interpretation

Sterile Distilled Water is used in many aspects of microbiological experiments. It is mainly used for the preparation of culture media to obtained bacterial growth. It is also used in microbiology related techniques, such as PCR, nucleic acid and protein electrophoresis, Southern, Northern, and Western blotting etc.

Type of specimen

Biological sample

Specimen Collection and Handling

Follow appropriate techniques for handling specimens as per established guidelines

Warning and Precautions

Non In Vitro diagnostic use only. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

Limitations

1. Once vial opened it has to be used or preserved carefully otherwise it will get slowly contaminated with microorganisms.

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature

Quality Control

→ **Appearance** : Colourless clear liquid.

- **Reaction :** Reaction of solution at 25°C. pH :6.7±0.5
- **Sterility Testing :** No growth is observed after 14 days for Bacteria at 30-35°C and for fungi at 20-25°C

Storage and Shelf Life

Store between 10-30°C in tightly closed container and away from bright light. Use before expiry date on label. On opening, product should be properly stored in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the container tightly after use.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques.

Reference

1. Biochemical Tests for the Identification of Aerobic Bacteria. (2016). Clinical Microbiology Procedures Handbook, 3.17.1.1–3.17.48.3.
2. Murray, P.R., E.J. Baron, J.H. Jorgensen, M.L. Landry, and M.A. Pfaller. 2007. Manual of Clinical Microbiology. 9th ed. ASM Press, Washington, D.C.



Storage temperature



Do not use if package is damaged



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