



Technical Data

Standard Solution for conductivity 1413 $\mu\text{S}/\text{cm}$

R071

Intended Use:

Standard Solution for conductivity 1413 $\mu\text{S}/\text{cm}$ is used as standard solution for measurement of conductivity in calibration.

Composition**

Ingredients

Potassium chloride	0.745 g
Distilled water	999.25 ml

**Formula adjusted, standardized to suit performance parameters

Principle And Interpretation

A conductivity standard is an electrolyte solution with an accurately known electrolytic conductivity. Accuracy of conductivity depends on the conductivity measuring equipment and the application of appropriate standards.

Warning and Precautions

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.

Performance and Evaluation

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

Quality Control

Appearance

Colourless solution.

Clarity

Clear with no insoluble particles.

Conductivity

1413 $\mu\text{S}/\text{cm}$

Storage and Shelf Life

On receipt store between 2-8°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 (2,3).

Reference

- 1) J Res Natl Inst Stand Technol. 1995 Sep-Oct; 100(5): 521–527.
- 2) Lapage S., Shelton J. and Mitchell T., 1970, Methods in Microbiology', Norris J. and Ribbons D., (Eds.), Vol. 3A, Academic Press, London.
- 3) MacFaddin J. F., 2000, Biochemical Tests for Identification of Medical Bacteria, 3rd Ed., Lippincott, Williams and Wilkins, Baltimore.

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