

## Intended Use

Saline is a diluent used for raw material and finished product testing.

## Summary

Saline has been recommended by various manufacturers and authors for preparing test suspensions of organisms to help maintain bacterial cell integrity and viability. Saline is recommended by Clinical and Laboratory Standards Institute (CLSI) for preparation of bacterial suspension used for susceptibility testing.

## Principle

This medium lack properties that may interfere with biochemical reaction and/or antibiotic susceptibility tests. The sodium chloride concentration in saline (0.85%) provides osmotic protection for microbial cells.

## Formula \*

Ingredients	g/L
Sodium Chloride Final	9.0
pH (at 25°C)	7.0 ± 0.5

\*Adjusted to suit performance parameters.

## Directions

1. Bring the saline vial to the room temperature 22°C-30°C.
2. Use saline as per required application.

## Quality Control

**Appearance:** Clear, colourless solution.

## Storage and Stability

1. Store the ready to use saline at 15°C-25°C in a cool, dry place away from light.
2. Stability of the kit is as per expiry date mentioned on the label.

## Warranty

This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

## References

1. Pelczar and Vera J., 1949, Milk Plant Monthly 38:30.
2. Niven C. F., Castellani A. G., and Allanson V., 1949, J. Bacteriol., 58:633.
3. Downes F. P. and Ito K., (Ed.), 2001, Compendium of Methods for the Microbiological Examination of Foods, 4th Ed., American Public Health Association, Washington, D.C.
4. Frank H. A., 1955, J. Bacteriol., 70:269.
5. MacFaddin J. F., 1985, Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, Vol. 1, Williams & Wilkins, Baltimore, Md.
6. Data on file: UltraCare Diagnostics .

### Disclaimer

Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.