

Ringers Solution (1/4 Strength) Tablets (NCM0191K)

Intended Use

Ringers Solution is used for the preparation of isotonic diluents for bacterial cells and bacteriological specimens, and is not intended for use in the diagnosis of disease or other conditions in humans.

Description

An osmotically controlled solution for the preparation of suspensions of food samples and for use as a diluent in dilution techniques for bacterial enumeration. The solution can also be used in the sampling of food production apparatus by the rinse and swab method.

Typical Formulation

| | |
|--------------------|-----------|
| Sodium Chloride | 2.25 g/L |
| Potassium Chloride | 0.105 g/L |
| Calcium Chloride | 0.12 g/L |
| Sodium Bicarbonate | 0.05 g/L |

Final pH: 7.0 ± 0.2 at 25°C

Formula may be adjusted and/or supplemented as required to meet performance specifications.

Precaution

Refer to SDS

Preparation

1. Dissolve 1 tablet in 500ml of purified water.
2. When completely dissolved dispense into containers as required and sterilize by autoclaving for 15 minutes at 121°C.

Quality Control Specifications

Tablet Appearance: White tablet

Prepared Appearance: colorless, clear liquid

Minimum QC:

Escherichia coli WDCM 00013

Staphylococcus aureus WDCM 00034

Results

Refer to appropriate references for results.

Expiration

Refer to expiration date stamped on the container. The dehydrated medium should be discarded if not free flowing or appearance has changed from the original color. Expiry applies to medium in its intact container when stored as directed.

Limitations of the Procedures

Due to nutritional variation, some strains may be encountered that grow poorly or fail to grow on this medium.

Technical Specification Sheet



Storage

Store dehydrated culture media at 2-30°C away from direct sunlight. Once opened and recapped, place container in a low humidity environment at the same storage temperature. Protect from moisture and light by keeping container tightly closed.

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