

R2A Broth

SKU: 700004593, 700004594, 700004595, 700004596

NCM0188

Intended Use

R2A Broth is for use with membrane methods for the enumeration of bacteria from water samples, and is not intended for use in the diagnosis of disease or other conditions in humans.

Description

A medium of low nutritional content, for use with membrane methods for the enumeration of bacteria from water samples.

Typical Formulation

Yeast Extract	0.5 g/L
Meat Peptone	0.5 g/L
Casamino Acid	0.5 g/L
Glucose	0.5 g/L
Starch	0.5 g/L
Dipotassium Hydrogen Phosphate	0.3 g/L
Magnesium Sulphate	0.05 g/L
Sodium Pyruvate	0.3 g/L

Final pH: 7.2 ± 0.2 at 25°C

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

Precaution

Refer to SDS

Preparation

1. Dissolve 3.1g of the medium in one liter of purified water.
2. Heat with frequent agitation to completely dissolve the medium if necessary.
3. Autoclaving at 121°C for 15 minutes.

Quality Control Specifications

Dehydrated Appearance: Powder is homogeneous, flowing and beige.

Prepared Appearance: Prepared medium is clear and a pale straw liquid.

Minimum QC:

Aeromonas hydrophila NCTC 8049

Pseudomonas fluorescens NCTC 10038

Escherichia coli ATCC 25922

Results

Refer to appropriate references for results.



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Technical Specification Sheet



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.

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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