

Product Specification

Product Name: R2A Broth Powder
Product Code: SG7054

Product Description:

R2A Broth Powder is a medium of low nutritional content, for the cultivation and maintenance of heterotrophic bacteria from waters. The formulation of this broth is such that it supports the growth of stressed and chlorine tolerant bacteria present in treated water.

Use:

Stir to suspend 3.2g powder in 1L water. Autoclave for 15 minutes at 121°C to sterilize. Allow to cool before making additions, such as antibiotics (if desired).

Components:

Tryptone - 0.25g/L
Acid hydrolyzed casein - 0.5g/L
Yeast Extract powder - 0.5g/L
Soluble starch - 0.5g/L
Dipotassium phosphate - 0.3g/L
Magnesium sulfate - 0.1g/L
Sodium pyruvate - 0.3g/L
Peptone - 0.25g/L
Glucose - 0.5g/L
pH 7.2 ± 0.2 @25°C

Note: Due a small amount of starch and magnesium sulfate in the culture medium, there may be traces of precipitation after sterilization.

| Test Items | Specifications |
|---|-------------------------|
| <u>Microbiological Tests</u> | <u>Expected Results</u> |
| <i>Pseudomonas aeruginosa</i> (ATCC 9027) | Good to Excellent |
| <i>Staphylococcus aureus</i> (ATCC 6538) | Good to Excellent |
| <i>Bacillus subtilis</i> (ATCC 6633) | Good to Excellent |
| <i>Escherichia coli</i> (ATCC 25922) | Good to Excellent |

* The microbiological test results were obtained from type cultures after incubation at a temperature of 30 - 35° C in aerobic conditions and observed after 48-120 hours.

Storage Condition: 18 – 25°C