

Agar No. 2 Bacteriological (NCM0238)

Intended Use

Agar No. 2 Bacteriological is a clear bacteriological agar with high gel strength compatible with all culture media. Agar No. 2 Bacteriological is not intended for use in the diagnosis of disease or other conditions in humans.

Description

A bacteriological agar which gives a firm gel at working concentrations of 1.0 to 1.5% which is reasonably clear. This agar is recommended for all culture media except sensitivity testing media and those where absolute clarity is advantageous.

Precaution

Refer to SDS

Test Procedure

Refer to appropriate references for specific procedures using Agar No. 2 Bacteriological.

Quality Control Specifications

| PHYSICAL/ CHEMISTRY | EXPECTED RESULTS |
|---------------------------------|----------------------------------|
| Gel strength (Nikan) | 650-1000g/m ² |
| Colorimetry (1.5% soln at 65°C) | > 0.3 at 340nm >0.04 at 525nm |
| Appearance | Cream/white powder |
| Melting point | >85°C |
| Setting point | 32-35°C |
| pH | 6.5-7.4 |
| Moisture | <12% |
| Total ash | <3.5% |
| Calcium | < 0.5% |
| Magnesium | < 0.1% |
| Sodium chloride | <1.0% |
| Iron | < 0.01% |
| Insoluble ash | < 0.1% |
| Sulphate | < 3.0% |
| Salmonella | Absent |
| TVC | < 10 ³ /g |
| Spores | < 2/g |

Technical Specification Sheet



Expiration

Refer to expiration date stamped on container. Agar No. 2 Bacteriological should be discarded if not free flowing, or if the appearance has changed from the original color. Expiry applies to Agar No. 2 Bacteriological in its intact container when stored as directed.

Storage

Store powder 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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