

Agar No. 1 Bacteriological (NCM0236)

Intended Use

Agar No. 1 Bacteriological is for use in preparing microbiological culture media in a laboratory setting, and is not intended for use in the diagnosis of disease or other conditions in humans.

Description

A high clarity agar with good gelling properties and a low concentration of metal ions. This agar is suitable for all bacteriological purposes including sensitivity testing and pour plate techniques. A firm gel is obtained at working concentrations of 1.0 to 1.5%. No significant precipitation is observed on reheating or prolonged holding at 65°C.

Precaution

Refer to SDS

Test Procedure

Refer to appropriate references for specific procedures using Agar No. 1 Bacteriological.

Quality Control Specifications

PHYSICAL/ CHEMISTRY:	EXPECTED RESULTS
Appearance of Powder:	
Gel strength (Nikan)	650-1000g/m ²
Colorimetry (1.5% soln at 65°C)	> 0.28 at 340nm > 0.02 at 525nm
Melting point	> 85°C
Setting point	32-35°C
pH	6.5-7.4
Moisture	< 10%
Total ash	< 3%
Calcium	< 0.02%
Magnesium	< 0.02%
Sodium chloride	< 1.0%
Iron	< 0.01%
Insoluble ash	< 0.1%
Sulphate	1.5%
<i>Salmonella</i>	Absent
TVC	< 103/g
Spores	< 2/g

Expiration

Refer to expiration date stamped on container. Agar No. 1 Bacteriological should be discarded if not free flowing, or if the appearance has changed from the original color. Expiry applies to Agar No. 1 Bacteriological in its intact container when stored as directed.

Technical Specification Sheet



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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