

Technical Specification Sheet



Agar No.4 Plant Tissue Culture Grade (NCM0250)

Intended Use

Agar No.4 has been selected specifically for use as a gelling agent in plant tissue culture techniques, and is not intended for use in the diagnosis of disease or other conditions in humans.

Description

Agar No.4 is selected primarily on gel strength, a parameter of particular importance for plant tissue culture techniques, and then tested to ensure it meets the parameters set by a major Horticultural company. The agar contains no nutrients for plant growth and is designed to be incorporated into classical formulations such as Murashige and Skoog, as well as customer's own formulations.

Precaution

Refer to SDS

Test Procedure

Refer to appropriate references for specific procedures using Agar No.4 Plant Tissue Culture Grade.

Quality Control Specifications

PHYSICAL/ CHEMISTRY:	EXPECTED RESULTS
Appearance of Powder:	Free-flowing, homogenous, pale yellow
Gel Strength (g/cm ²)	≥ 700
pH	6.0 to 8.0
Setting Point °C	34-38
Melting Point °C	85-90

(All values based on 1.5% solution)

Expiration

Refer to expiration date stamped on container. Agar No.4 Plant Tissue Culture Grade should be discarded if not free flowing, or if the appearance has changed from the original color. Expiry applies to Agar No.4 Plant Tissue Culture Grade 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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