PRODUCT INFORMATION

Yersinia Selective Agar

Cat. No. Y25-100

Yersinia Selecti Agar Base (ISO 10273) is a selective and differential medium when used with supplements.

DESCRIPTION

Yersinia Select Agar Base (ISO 10273) is a selective and differential medium when used with supplements. The formula is based on the CIN Agar and is recommended by ISO 10273 for the isolation and detection of presumptive pathogenic Yersinia enterocolitica from a variety of clinical and food samples.

FORMULA (g/L)

Manitol	9.6 g	Neutral red	0.01 g
Crystal violet	0.001g	Irgasan	0.002g
Inositol	0.02 g	Magnesium sulfate	0.005g
Sodium deoxycholate	0.2 g	Sodium cholate	0.2 g
Sodium pyruvate	1.0 g	Yeast extract	1.2 g
Peptone mixture	10.8 g	Agar	5.4 g

Final pH: 7.4 ± 0.2 at 25 ºC

*Grams per liter may be adjusted or formula supplemented to obtain desired performance.

PREPARATION

Suspend 28,5 grams of the medium in 500 ml of distilled water. Mix well and dissolve by heating with frequent agitation. Boil for one minute until complete dissolution. Sterilize in autoclave at 121 ºC for 15 minutes. Cool to 45 ºC and aseptically add one vial of Yersinia Selective Supplement.

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QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and pinkish beige to beige.
2. Visually the prepared medium is medium to dark reddish purple with trace to slight haze.
3. Expected cultural response after 22-26 hours at 30 ºC ± 1°C.

ORGANISM	GROWTH	CHARACTERISTIC REACTION
Yersinia enterocolitica ATCC 23715	Good Growth	Colonies w/ dark red centers, surrounded by transparent border
Staphylococcus aureus ATCC 25923	Total or partial inhibition	-
Escherichia coli ATCC 25922	Total inhibition	-
Yersinia enterocolitica CECT 9144	Good Growth	Colonies w/ dark red centers, surrounded by transparent border

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 25°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.

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