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TCBS Agar

Instructions for use

Cat. No. PD151

90mm Prepard plates

Pkg: 10 units in a bag

Expiry Date: Printed on label and on the item

Composition (g/L)

Thiosulfate-Citrate-Bile Salts-Sucrose (TCBS Agar)

Forest green, slightly opalescent pH: 8.6 ± 0.2

Intended Use

Selective isolation of *Vibrio cholerae* and other enteropathogenic *Vibrio* species from clinical specimens, samples and food-stuffs.

Procedure

Inoculation: 1) Heavy: from 18-24 - Peptone water pH 8.6
2) Direct: e.g. rectal swab

Incubation: 35-37°C from 36-48 hours

Interpretation of Results

Test bacteria	Growth	Sucrose Fermentation	H ₂ S Production
<i>Vibrio parahaemolyticus</i> Group 1	+Flat yellowish colonies surrounded by yellow zones in agar medium	+ Acid production	-
<i>Vibrio parahaemolyticus</i> Group 2	+ Small colorless colonies with blue-green centers	-	-
<i>Aeromonas spp</i>	\pm blue colonies	+	-
<i>Pseudomonas</i>	\pm blue colonies	-	-
<i>Enterococci</i>	\pm small yellow colonies with dark shadows		\pm
<i>Proteus spp</i>	\pm small yellow colonies	+	\pm

Procedure Limitations

TCBS is not suitable for oxidase testing and agglutination test. Subculture the colony suspected to be *V. cholerae* to Nutrient Agar or other non-inhibitory media before performing the above mentioned tests.

Disposal

Used contaminated test material should be handled by standard decontamination methods such as autoclaving or incineration.