Reference: 105025ZA Technical Data Sheet

Product: DNase Test Agar w. Methyl Green



Specification

Solid culture medium for the determination of the deoxyribonuclease activity of microorganisms, especially staphylococci and *Serratia spp.*

Presentation

20 Prepared Plates	Packaging Details	Shelf Life	Storage
90 mm	1 box with 2 packs of 10 plates/pack. Single	3,5 months	2-14 °C
with: 21 + 2 ml	cellophane.		

Composition

Composition (g/l):	
Pancreatic digest of casein	10.0
Proteose peptone n.3	10.0
DNA	2.00
Sodium chloride	5.00
Methyl green	0.05
Agar	

Description / Technique

Description:

Differential medium used for the detection of DNase activity to aid in the identification of bacteria isolated from clinical samples. Technique:

Spread the plates by streaking methodology or by spiral method.

Incubate the plates right side up aerobically at 35-37°C for 24-48 h.

After incubation, enumerate all the colonies that have appeared onto the surface of the agar.

If the microorganism produces DNAase enzymes to hydrolyse the DNA, a clear Yellowish halo will appear around the colonies.

S.aureus - Positive Reaction S.epidermides - Negative Reaction Serratia marcescens - Positive Reaction Klebsiella sp. - Negative Reaction

Presumptive isolations must be confirmed by further microbiological and biochemical tests.

Quality control

Physical/Chemical control

Color : Green pH: 7.3 ± 0.2 at 25°C

Microbiological control

Isolation by loop spreading

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020.

Aerobiosis. Incubation at 35°C ± 2 °C, reading at 24-48 hours

Microorganism

Serratia marcescens ATCC® 13880 Stph. aureus ATCC® 25923, WDCM 00034 Staphylococcus aureus ATCC® 6538, WDCM 00032 Ps. aeruginosa ATCC® 27853, WDCM 00025 Escherichia coli ATCC® 25922, WDCM 00013

Sterility Control

Incubation 48 h at 30-35 °C and 48 h at 20-25 °C: NO GROWTH. Check at 7 days after incubation in same conditions.

Growth

Good - DNAse positive Good - DNAse positive Good - DNAse positive Good - DNAse negative Good - DNAse negative



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