

Test Agar, pH 7.2

Medium used for the detection of antimicrobial inhibitors in meat and organ samples, using *Bacillus subtilis*.

• CONTENTS (Liter)

Peptone	7.0 g
Sodium Chloride	5.0 g
Trisodium Phosphate	0.8 g
Agar	13.0 g
Final pH = 7.2 ± 0.2 at 25°C.	

• PROCEDURE

Suspend 25.8 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45-50°C in water bath. Add 50ug of trimethoprim. Add 1ml of *Bacillus subtilis* spore suspension. Mix well. Dispense in petri dishes.

• INTERPRETATION

Test Agar, pH 7.2 is a medium used for the detection of antimicrobial inhibitors in meat and organ samples, using *Bacillus subtilis*. Peptone provides nitrogen, carbon, amino acids and minerals. Sodium chloride maintains osmotic balance. Trisodium phosphate is the buffering agent. Agar is the solidifying agent.

• TECHNIC

Inoculate the plates with spreading the specimen on surface of the medium using a sterile loop. Incubate at 30 ± 2°C for 18 - 24 hours. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: light beige.

Prepared medium

Appearance: slightly opalescent.

Color: light amber.

Incubation conditions: 30 ± 2°C / 18 - 24 hours

Microorganism	ATCC	Inoculum CFU	Growth
<i>Bacillus subtilis</i>	9466	50-100	good

• STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared medium at 2-8°C.

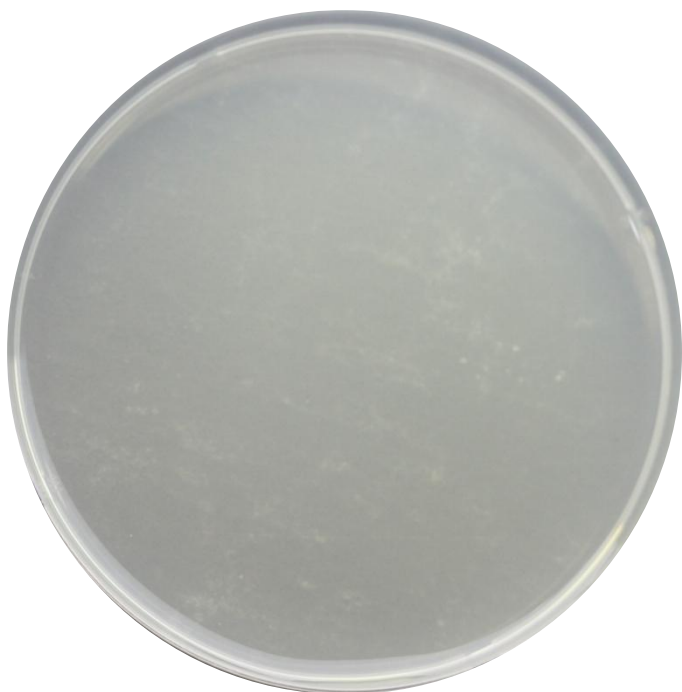
• REFERENCES

1. Gudding R:1976 improved bacteriological method for the detection of sulphonamide residues info. Acta. Vet. Scand., 17 : 458 464 (1976).
2. Ferrini, A. M.; Mannoni, V., Aurdi P. Combined plate microbial assay (CPMA). Food additives and contaminants, 23(1);16-24. 2006

• PACKAGE

Cat. No : MB-T2256 Test Agar, pH 7.2	500 G
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• MICROBIAL CULTURE IMAGES



None



Bacillus subtilis ATCC 9466 (100 CFU)

Incubation conditions : 35±2°C 24h