

Anaerobic Transport Agar



Medium used for the collection and transport of clinical specimens.

• CONTENTS (Liter)

Sodium Thioglycolate	1.0 g
Disodium Phosphate	1.15 g
Sodium Chloride	3.0 g
Potassium Chloride	0.2 g
Monopotassium Phosphate	0.2 g
Magnesium Sulfate	0.1 g
L-Cysteine	1.0 g
Resazurin	0.001 g
Agar	4.0 g
Final pH = 7.5 ± 0.2 at 25°C.	

• PROCEDURE

Suspend 10.65 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. Dispense in tubes. Arrange tubes in a slanted position. If necessary, dispense the medium before autoclave.

• INTERPRETATION

Anaerobic Transport Agar is a medium used for the collection and transport of clinical specimens. Sodium chloride provides osmotic balance. Phosphates are buffering agents. Potassium chloride provides ions. Magnesium sulfate heptahydrate is a cofactor for many metabolic reactions. L-Cysteine provides growth factors. Resazurin is an oxidation-reduction indicator, being pink when oxidized and colorless when reduced. Agar is the solidifying agent.

• TECHNIC

Inoculate the tube to stab the bottom and spreading the specimen on the slant surface using a sterile needle. Incubate at 35 ± 2 °C for 24 - 48 hours. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: off-white.

Prepared medium

Appearance: slightly opalescent.

Color: light straw.

Incubation conditions: 35 ± 2 °C / 24 - 48 hours

Microorganism	ATCC	Survival
* <i>Bacteroides fragilis</i>	25285	good
* <i>Clostridium perfringens</i>	13124	good
<i>Staphylococcus aureus</i>	25923	good

* under anaerobic condition

• 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. Perry, J. L. (1997). Assessment of swab transport systems for aerobic and anaerobic organism recovery. Journal of clinical microbiology, 35(5), 1269-1271.

• PACKAGE

Cat. No : MB-A0626 Anaerobic Transport Agar	500 G
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