

Amies Transport Agar (without charcoal)



Medium used for the transport and preservation of clinical specimens and other microorganisms.

• CONTENTS (Liter)

Sodium Chloride	3.0 g
Calcium Chloride	0.1 g
Potassium Chloride	0.2 g
Magnesium Chloride	0.1 g
Monopotassium Phosphate	0.2 g
Disodium Phosphate	1.15 g
Sodium Thioglycollate	1.0 g
Agar	4.0 g
Final pH = 7.3 ± 0.2 at 25°C	

• PROCEDURE

Suspend 9.75 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. Pour into tubes.

• INTERPRETATION

Amies Transport Agar (without charcoal) is a medium used for the transport and preservation of clinical specimens and other microorganisms. Sodium chloride maintains the osmotic balance. Calcium chloride, potassium chloride and magnesium chloride supply electrolytes for bacterial survival. Phosphates are buffering agents. Sodium thioglycollate lowers the redox potential of the medium, thereby allowing a better conservation of anaerobic bacteria. Agar is the solidifying agent. Charcoal absorbs toxic compounds and metabolites, therefore use the Amies Transport Agar (with charcoal, MB-A1152) for specimens containing *Neisseria* spp.

• TECHNIC

Put the swab specimens to the medium. Transport the medium with specimen to the laboratory as soon as possible. Inoculate the swab specimen to the proper medium. Transport and inoculation of specimens have to be performed within 24 hours. Incubate the inoculated medium at 35 ± 2°C for 18 - 24 hours up to 48 hours under appropriate conditions and media. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: beige

Prepared medium

Appearance: clear

Color: colorless to light amber

Incubation conditions: 35 ± 2°C / 18 - 24 hours up to 48 hours under appropriate conditions and media

Microorganism	ATCC	Survival
<i>Bacteroides fragilis</i>	25285	good
<i>Staphylococcus aureus</i>	25923	good
<i>Streptococcus pyogenes</i>	19615	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. Store prepared medium at 2 - 8°C.

• REFERENCES

1. Amies, C.R. 1967. Can J. Public Health 58:296-300.
2. Baron. M. A. Pfaller, F. C. Tenover , and R. H. Tenover (Ed.), Manual Of Clinical Microbiology, 6th Ed. American.

• PACKAGE

Cat. No : MB-A1191 Amies Transport Agar (without charcoal)	500 G
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