

BS (Bifidobacterium Selective) Agar



Medium used for the isolation and cultivation of Bifidobacterium spp.

• CONTENTS (Liter)

BL Agar without Tween 80	59.22 g
Sodium Propionate	15.0 g
Paromomycin Sulfate	0.05 g
Neomycin	0.1 g
Lithium Chloride	3.0 g
Tween 80	1.0 g
Final pH = 7.2 ± 0.2 at 25°C	

• PROCEDURE

Suspend 78.37 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 115°C for 15 minutes. Cool to 45 - 50°C in water bath. If necessary, aseptically add 5 % of Horse Blood Defibrinated (MB-H1883) or Sheep Blood Defibrinated (MB-S1876). Pour into petri dishes.

• INTERPRETATION

BS (Bifidobacterium Selective) Agar is a medium used for the isolation and cultivation of Bifidobacterium spp. BL Agar (MB-B1380) is a medium for the cultivation and enumeration of Bifidobacterium species. Sodium propionate is a necessary factor for the growth of Bifidobacterium spp. Paromomycin sulfate and Neomycin are antibacterial agents. Lithium chloride is the selective agent. Tween 80 provides fatty acids.

• TECHNIC

Inoculate the specimen using a sterile loop to the medium. Incubate at 36 ± 1°C for 48 - 72 ± 3 hours under anaerobic condition. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: beige

Prepared medium

Appearance : slightly opalescent

Color: amber

Incubation conditions: 36 ± 1°C / 48 - 72 ± 3 hours under anaerobic condition

Microorganism	ATCC	Growth
<i>Bifidobacterium longum</i>	15707	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. Dowell, V. R., Jr. and T. M. Hawkins. 1974. Laboratory Methods in Anaerobic Bacteriology. CDC Laboratory Manual. USDHEW C. D. C. Atlanta, GA 30333.

• PACKAGE

Cat. No : MB-B1381 BS (Bifidobacterium Selective) Agar	500 G
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• MICROBIAL CULTURE IMAGES



None



Bifidobacterium longum ATCC 15707

Incubation conditions : 36 ± 1°C 48 - 72 hours under anaerobic condition