
Product Specification

Product Name: Bismuth Sulfite Agar (BS)

Product Code: SG7254 / SG7255

PRODUCT DESCRIPTION:

Bismuth Sulfite Agar (BS) is used for the selective isolation of Salmonellae spp. This product is available in both dehydrated and granulated form.

Use:

Stir to suspend 50.3 g of dehydrated/granulated medium in 1L distilled H₂O. Mix well with heat with frequent agitation. Boil for one minute or until completely dissolved. Allow to cool (40– 45°C) before making additions, such as antibiotics (if desired), before pouring into petri dishes. Do not overheat or autoclave. For laboratory use only.

Components:

Peptone – 10.0g/L

Beef Extract – 5.0g/L

Ferrous Sulfate – 0.3g/L

Ammonium Bismuth Citrate – 2.0g/L

Sodium Sulfite – 6.0g/L

Disodium Hydrogen Phosphate – 4.0g/L

Glucose – 5.0g/L

Brilliant Green – 0.025g/L

Agar – 20.0g/L

Item	Description
<u>Physical and Chemical Tests</u>	
Appearance (dry):	Yellowish Powder / Granules
pH (@25°C):	7.5 ± 0.2
<u>Microbiological Tests</u>	
<i>Salmonella typhi</i> (CMCC(B)50071)	<u>Quality Control Results</u> PR ≥ 0.5, black colonies with a metallic sheen
<i>Salmonella typhimurium</i> (ATCC 14028)	PR ≥ 0.5, black or grayish-green colonies with a metallic sheen
<i>Escherichia coli</i> (ATCC 25922)	G ≤ 1
<i>Enterococcus faecalis</i> (ATCC 29212)	G ≤ 1

* The microbiological test results were obtained from type cultures after incubation at a temperature of 36 ± 1°C and observed after 40-48 hours.

Storage: Store in a dry and dark place at room temperature. Tighten the cap immediately after use.