



HS MEDIUM (HYDROSULPHITE OF SODIUM MEDIUM)

Product Number **H7907**

Product Description

HS Medium is used for the cultivation of aerobic and anaerobic bacteria. It is also used for sterility testing. The sodium hydrosulphite present in the medium facilitates oxidized and reduced conditions which are appropriate for the growth of aerobes as well as anaerobes. Casein enzymic hydrolysate and yeast extract supply the essential nutrients such as amino acids, carbon, sulphur and minerals. Dextrose is the fermentable carbohydrate and resazurin is the redox indicator.

Components

Item	g/L
Casein Enzymic Hydrolysate	15.00
Yeast Extract	5.00
Sodium Hydrosulphite	0.50
Sodium Chloride	2.50
Dextrose	5.50
Resazurin	0.001
Agar	1.00

Final pH (at 25°C) 7.1 ± 0.2

Precautions and Disclaimer

For laboratory use only. Not for drug, household or other uses.

Preparation Instructions

Suspend 29.5 grams of HS Medium in 1000 mls of distilled water. Heat to boiling to dissolve the

medium completely. Sterilize by autoclaving at 15 lbs. (121° C) for 15 minutes.

Note: If more than the upper one-third of the medium has acquired a pink color, the medium may be restored once by heating in a water bath, or in free flowing steam until the pink color disappears.

Storage

Store the dehydrated medium at 24°C and the prepared medium at 2-8°C.

Product Profile

Appearance	Light beige colored, homogeneous, free flowing powder.
Color and Clarity	Light straw colored solution with the upper 10% or less having a pinkish tinge and slight opalescence on standing.
Cultural Response	Cultural characteristics are observed after 18-48 hours at 35-37°C.

Organism

**Clostridium perfringens*
Corynebacterium diphtheriae
Enterobacter aerogenes
Staphylococcus aureus
Streptococcus pyogenes

Growth

good-luxuriant
good-luxuriant
good-luxuriant
good-luxuriant
good-luxuriant

Key: * = incubated anaerobically

References

- WHO, (1960). Technical Report Series No. 200. WHO, Geneva.

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