

GBS AGAR BASE

A differential medium for the isolation and detection of Group B streptococci.

Dehydrated media	
Code number:	500 g: GBS20500, 5 kg: GBS25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	7,3 – 7,7

Direction: Suspend **47 g** in 950 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically **50 ml of sterile inactivated horse serum** (i.e. serum held at 56 °C for 30 minutes). Mix well before pouring.

Prepared media	
Bottled media bases:	100 ml: GBS30100, 500 ml: GBS30500
Plated media:	55 mm: GBS50055, 90 mm: GBS50090
Colour:	Yellowish
pH (25 °C):	7,4 – 7,6

Direction: Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Peptones	23
Starch soluble	55
Buffers	7
Agar	12

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Streptococcus agalactiae</i> ATCC 13813		Good, orange – red pigmented colonies	
<i>Enterococcus faecalis</i> ATCC 29212		Good, without pigmentation	

References: Islam (1977) The Lancet: 256.

In vitro diagnostic – for professional use only!