Reference: BPWR3053 **A.B.E. - Technical Data Sheet**

Product: # GBS Modified Agar

Specification

Selective solid medium for the isolation and primary identification of *Streptococcus agalactiae* from clinical specimens.

Presentation

	Packaging Details	Shelf Life	Storage
20 Prepared Plates 90 mm with: 21 ± 2 ml	1 box with 2 packs of 10 plates/pack. Single cellophane.	2 months	2-14 ºC

Composition

Composition (g/l):

Proteose Peptone N.3	25.0
Soluble Starch	10.0
MOPS	11.0
Magnessium sulphate	0.2
Metotrexate	0.006
Metronidazol	0.01
Colistin sulphate	0.005
Disodium phosphate	5.75
Monosodium phosphate	1.5
Crystal Violet	0.0002
Agar	10.0
Horse Serum	50 ml

Description /Technique

Description:
This medium is a modification of the New Granada Medium, which was developed from the GBS Islam Medium. The modifications consist in the suppression of glucose and piruvate, the reduction of the content of starch and an increased volume of horse serum.

Technique:
The sample must be processed and inoculated according to any laboratory methodology or following established standards. If the agar plate has been refrigerated, allow to warm to room temperature before inoculation. Streak sample onto plate and incubate at 35 ± 2ºC for 18-24 hours. Anaerobic incubation enhancers the orange pigment production and incubation in a CO2 enriched atmosphere increases the colonial size.The specific identification must be done by biochemical and/or serological methods or by genetic technologies.

Note: Do not use Streptococcus agalactiae ATCC 13813 for a positive control, as this strian is non-hemolytic in the absence of CAMP factors.

Precautions
For in vitro diagnostic use. Do not reuse. For professional use only.
Do not use the product if it shows evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

Quality control

Physical/Chemical control

Color : Pale yellow pH: 7.3 ± 0.2 at 25ºC

Microbiological control

Spiral Spreading: Practical range 100 ± 20 CFU. min. 50 CFU (productivity) / 10^4-10^6 CFU (selectivity).

Microbiological control according to ISO 11133:2014/A1:2018.

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020.

5% CO2 atmosphere. Incubation at 35-37 ºC during 24-48 h.

Microorganism	Growth
Streptococcus pyogenes ATCC® 19615	Good - Colourless
Escherichia coli ATCC® 25922, WDCM 00013	Inhibited
Streptococcus agalactiae ATCC® 12386	Good - Deep Orange

Sterility control

Incubation 48 h at 30-35 ºC and 48 h at 20-25 ºC: NO GROWTH.
Check at 7 days after incubation in same conditions.

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