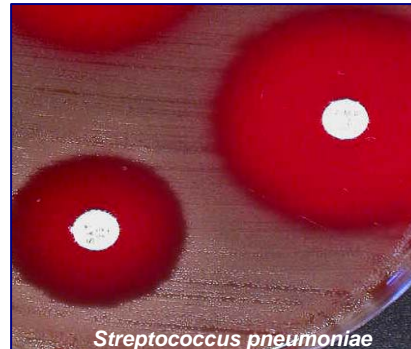


PP2192 MUELLER-HINTON + SHEEP BLOOD AGAR PLATE

FORMULA

Meat Infusion	2.0	gm per litre
Casein Hydrolysate	17.5	
Starch	1.5	
Agar No 1	17.0	
Sheep blood - defibrinated	50.0	mL
pH 7.3 ± 0.1		



DESCRIPTION

This medium is prepared using Mueller-Hinton Agar Base supplemented with 5% sheep blood and is intended for use as a sensitivity test medium for streptococci and pneumococci according to CLSI test method (1).

QUALITY CONTROL

ORGANISMS: ***S. pneumoniae*** MVQC 0056 (ATCC™ 49619)

SAMPLE NUMBER: Sample size is determined in accordance with ASM Guidelines (3).

STERILITY: Those plates not used for bacteriological testing and other quality assurance procedures must be incubated at 30°C for 3 days after which they are examined for sterility.

- INOCULUM:
1. Prepare a saline suspension of test organism equivalent to MacFarland 0.5.
 2. Within 15 minutes, dip a sterile swab into the inoculated saline and streak over the entire surface of a dry plate (if the surface of the plate is moist, place open plate in a 35 C incubator for approx 20 minutes). Rotate plate so that an even lawn of growth is achieved.
 3. Place discs on the surface of the plate within 15 minutes of inoculating.

INCUBATION: 18-24 hours / 35°C / CO₂.

EXPECTED RESULTS (4):

	SxT 25	Ery 15	Amp 10
<i>S. pneumoniae</i>	20–28mm	25–30mm	30–36mm

ALSO CHECKED AND RECORDED

1. Batch number correct
2. Colour
3. Clarity
4. Agar depth 3.5 – 4.0 mm
5. Final pH 7.3 ± 0.1
6. Sterility
7. Correctly labelled – MUELLER-HINTON + SHEEP

STORAGE:

A shelf life of 8 weeks applies when this product is stored at 2° - 8°C in its original packaging.

REFERENCES

1. Clinical and Laboratory Standards Institute. *M2-A9 - Performance Standards for Antimicrobial Disk Susceptibility Tests; Approved Standard – Ninth Edition*. 2006. CLSI, Pennsylvania.
2. Clinical and Laboratory Standards Institute. *M2-A9 - Performance Standards for Antimicrobial Susceptibility Testing; Twentieth Informational Supplement*. CLSI document M100-S20. 2010. CLSI, Pennsylvania.
3. *Guidelines for Assuring Quality of Medical Microbiological Culture Media*. 1996. Media Quality Control Special Interest Group, Australian Society for Microbiology.