SCHAEDLER KANAVANCO AGAR WITH 5% SHEEP BLOOD Ref: 1207

INSTRUCTION FOR USE READY-TO-USE PLATED MEDIA

For professional use

1. Description: selective isolation of *Bacteroides, Prevotella* and a variety of other gram-negative anaerobes from clinical specimens. Tryptic Soy Broth, Enzymatic digest of casein, enzymatic digest of animal tissue, and yeast extract provide vitamins, nitrogen, and amino acids in Schaedler Agar. Dextrose is a carbon source. Tris (hydroxymethyl) Aminomethane is used to buffer the medium. Hemin (X factor) stimulates organism growth. L-Cysteine is a reducing agent. Agar is the solidifying agent

2. Formula/Liter:

Tryptic Soy Broth	10,0 g
Enzymatic digest of animal tissue	2,5 g
Enzymatic digest of casein	2,5 g
Glucose	5,0 g
Tris Buffer	3,0 g
Yeast extract	5,0 g
Haemin	0,01 g
Agar	13,5 g
L-cysteine	0,4 g

Supplements/Liter:

Sheep blood	50 ml
Kanamycin	0.1 g
Vancomycin	0.0075 g
Vit K3	1.0 ml

3. pH: 7,6 ± 0,2 at 25°C.

4. Sample: clinical sample.

5. Test procedure: if the agar plate has been refrigerated, allow to warm to room temperature before inoculation. Streak the specimen for isolation onto the surface of the medium. If the specimen is cultured from a swab, roll the swab gently over a small area of the surface at the edge, then streak from this area with a loop. Incubate plates aerobically at 35±2°C for 48 - 72 hours in an inverted position.

6. Results: after incubation time observe growth and hemolysis of characteristic microorganisms

7. Quality control: perform quality control according to the use of the strains below.

Microorganism:	**appearance of colony:**
Bacteroides fragilis ATCC 25285	white to grey, entire edge, circular
Clostridium perfringers ATCC 13124	—

8. Limitations: due to nutritional variation, some strains may be encountered that grow poorly or fail to grow on this medium. When supplemented with 5% blood, beta-hemolytic streptococci may produce a hemolytic reaction similar to alpha hemolysis because of the high dextrose concentration in Schaedler Agar.

9. Disposal of waste: after use, all plates and any other contaminated materials must be sterilized or disposed of by appropriate internal procedures and in accordance with local legislations. Plates can be destroyed by autoclaving at 121°C for at least 20 minutes.

10. Storage: Ready to use plates should be stored at 6 – 12°C in the dark.

11. Packaging: 1 x10 pcs.

12. Expiry date: plates: 45 days.

13. References: available on request.

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