

**SCHAEDLER LAB-AGAR™ + vit. K<sub>1</sub> +5 % SB**

Non-selective medium for the isolation of aerobes and anaerobes bacteria from clinical specimens.

**Formula in g/L**

Trypticasein Soy Broth .....	10,00	Glucose .....	5,00
Peptone mixture .....	5,00	Tris .....	3,00
Yeast extract.....	5,00	L-Cystine .....	0,40
Haemin .....	0,01	Agar .....	13,50
Defibrinated sheep blood. ....	50 ml	Other vitamins.....	0,01
Vitamin K <sub>1</sub> .....	5 mg		

Final pH at 25°C: 7,6 ± 0,2

**Principle:**

This medium can easily support the growth of anaerobes from intestinal and digestive tracts and other organs without the interference of the accompanying aerobic flora, because of the superior nutritive properties and its low oxidation – reduction potential in normal condition, the multiplication of anaerobes is diminished by the rapid increase of Enterococcus, E. coli, Enterobacter and other intestinal facultative bacteria.

L-Cystine with glucose, acts as a reducing agents. Trypticasein Soy Broth, peptone mixture and yeast extract provide vitamins, nitrogen and amino acids. Glucose is a carbon source. Tris is used to buffer the medium. Haemin, stimulates bacteria growth especially. The blood provides growth factor for the microorganisms such as: Bacteroides, Prevotella, Veillonella and is the basis for determining hemolytic reactions

**Procedure:**

- ★ Inoculate the plates by spreading the samples
- ★ Incubate at 37±1°C for 24-48 hours in anaerobe or aerobe atmosphere

**Storage / Shelf life**

- ★ Prepared plates at 2 - 12°C shielded from light
- ★ The expiration date is indicated on the label.

**Purpose:**

- ★ product intended the professional use in diagnostics in vitro

**Dealing with waste:**

- ★ dealing with – waste according to regulations being in effect in this respect

**Dealing with consumed bases:**

- ★ one should remove consumed bases according to procedures being in effect in the given individual

Pack size

Box of 20 Petri dishes 90 mm

Ref.  
PP 0223

