

# SCHAEDLER AGAR

**INTENDED USE:**

A medium free from thioglycollate for the growth of aerobic and anaerobic organisms.

**PRINCIPLE AND INTERPRETATION:**

Glucose is an energy source. Tris buffer is included to avoid an extreme decrease of the pH during glucose fermentation. Yeast extract is a rich source of the vitamins. Sodium chloride provides essential electrolytes. Today, the medium is widely used as a non-selective, highly nutritious medium for the isolation strict anaerobes.

**COMPOSITION:**

Ingredients	Gr/Liter
Tryptone Soya Broth	10 gr
Special peptone	5 gr
Yeast extract	5 gr
Glucose	5 gr
Cysteine HCl	0,4 gr
Haemin	0,01 gr
Tris Buffer	0,75 gr
Agar	13,5 gr

\*\*\*Formula adjusted, standardized to suit performance parameters

pH: 7,6 ± 0,2

**PRECAUTIONS:**

For professional use only. Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

**TEST PROCEDURE:**

The sample suspension is diluted as necessary in order to obtain separated and countable colonies. A calibrated loopful is then spread on the surface of a previously dried Schaedler Anaerobe Agar plate. Conditions of incubation will vary according to the type of culture under test. Pure cultures may grow on the base medium and this is also used for general aerobic and anaerobic counts.

**QUALITY CONTROL:****1.Sterility Control:**

Incubation 48 hours at 30-35°C and 72 hours at 20-25°C: NO GROWTH

**2.Physical/Chemical Control**

pH: 7,6 ± 0,2

**Apperance:** Light straw to straw coloured gel

**3.Microbiological Control:** Cultural response on Schaedler Agar at 35°C ± 2 after 24-72 hours incubation.

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Bacteroides fragilis ATCC 25285	10-100	Good	Grey-white colonies
Clostridium perfringens ATCC 13124	10-100	Good	Large, lobate, grey-white colonies

**STORAGE CONDITIONS AND SHELF LIFE:**

Store the prepared medium at 2 - 12°C. Use before expiry date on the label. Do not use beyond stated expiry date.

**DISPOSAL:**

Incubated prepared medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected plate should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

RTA.KK.230 Revision Date/Revision Number:-/0 Issue Date: 01.11.2014

## PACKAGING:

**Katalog Number:** 02081

**Packaging:** Single wrap

**Content:** 10 plates/each package

## REFERENCES:

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2. Mata L. J., Carrillo C. and Villatoro E. (1969) Appl. Microbiol. 17. 596-599.
3. Hibbert H. R. and Spencer R. (1970) J. Hyg. Camb. 68. 131-135.
4. Mossel D. A. A., Beerens H., Tahon-Castel Baron G. and Potspeel B. (1965) Ann. Inst. Pasteur de Lille 16. 147-156.
5. Kari C., Nagy Z., Kovacs P. and Hernadi F. (1971) J. Gen. Micro. 68. 349-356.
6. de Waart J. and Pouw H. (1970) Zbl. I. Abt. Orig. 214. 551-552.
7. de Waart J. (1973) Personal Communication.



Aseptic Sterile



Use by



Look at user manual



Batch Code



Temperature  
Limitation



Manufacturer



Catalogue Number



Do not reuse



CE Mark



Negative Controls



Contains sufficient  
for <n> tests



Positive Controls