

TECHNICAL SHEET

PP027	Schaedler Agar Plate		
Formula			
Ingredients:		gms/lit.	
Casein enzymic hydrolysate	5.67		
Proteose peptone	5.00		
Soya peptone	1.00		
Yeast Extract	5.00		
Dextrose	5.83		
Sodium chloride	1.67		
Dipotassium hydrogen phosphate	0.83		
Tris hydroxymethyl aminomethane	3.00		
L-Cystine	0.40		
Hemin	0.01		
Agar	15.00		
Final pH (at 25°C): 7.6 ± 0.2			
Directions:			
Label the ready to use plate (PP027). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.			
Principle:			
Schaedler Agar serve as an excellent basal media to which blood or other enrichments can be added to enhance the recovery of fastidious anaerobic organisms. Schaedler Agar is highly nutritious medium due to casein enzymic hydrolysate, and Tris (Hydroxymethyl) amino methane is used to buffer the medium. Proteose peptone and Soya peptone, Yeast extract and L-cystine provide nitrogenous growth factors, vitamins and other essential growth nutrients. Dextrose serves as energy source. Hemin and sheep stimulate the growth of fastidious microorganisms and stimulates growth of other Bacteroides species and gram-positive spore formers.			
(I) QC Tests			
pH:	7.6 ± 0.2		
Color:	Light Amber coloured medium		
Appearance:	Sterile Schaedler Agar in 85mm disposable plates.		
(II) Sterility test	Passes release criteria		
(III) Q.C. Test Microbiological			
Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours under anaerobic condition.			
MICROORGANISM (ATCC)	INOCULUM(CFU)	GROWTH	RECOVERY
Escherichia coli 25922	>=10 ⁴	Inhibited	0%
Clostridium sporogenes11437	50-100	luxuriant	>=50%
Clostridium butyricum13732	50-100	luxuriant	>=50%
Streptococcus pyogenes19615	50-100	luxuriant	>=50%
Clostridium perfringens 12924	50-100	luxuriant	>=50%
Bacteroides fragilis 25285	50-100	luxuriant	>=50%

Refer disclaimer Overleaf

TECHNICAL SHEET

Precautions :	1. In Vitro diagnostic use only. 2. Read the label before opening the container
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
Use:	Recommended for isolation and enumeration of anaerobic bacteria.
Storage:	Store between 2-8°C. Use before expiry date on the label.
Packing:	20/50 disposable plates.

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.