

**TECHNICAL SHEET**

<b>AS001</b>	<b>Bile Esculin Agar Slant</b>			
<b>Formula</b>				
<b>Ingredients:</b>		<b>gms/lit.</b>		
Peptone		5.00		
Meat Extract B#		3.00		
Bile		40.00		
Esculin		1.00		
Ferric citrate		0.50		
Agar		15.00		
#- Equivalent to Beef extract				
Final pH (at 25°C): 6.6 ± 0.2				
<b>Directions:</b>				
Streak the test inoculum aseptically into the slant and incubate at appropriate conditions.				
<b>Principle:</b>				
The medium is highly nutritious. Peptone and Meat Extract B serves as sources of carbon, nitrogen, amino acids, vitamins and essential growth nutrients. Bile inhibits most of the other accompanying bacteria. Esculin in the medium is hydrolyzed to esculetin and dextrose. Esculetin reacts with ferric citrate to form a dark brown or black complex, visualized as a zone of black precipitate around the colonies. If the media is dispensed in tubes in the form of slants, a positive reaction is indicated by blackening of more than half of the slant within 24-48 hours. If blackening is totally absent or if less than half of the slant is blackened within 24-48 hours, the test is negative.				
<b>(I) QC Tests</b>				
	pH:	6.6 ± 0.2		
	Color:	Amber coloured medium with a bluish tinge.		
	Appearance:	Sterile Bile Esculin Agar in disposable slants.		
<b>(II) Sterility test</b>		Passes release criteria		
<b>(III) Q.C. Test Microbiological</b>				
Cultural characteristics observed in an increased atmosphere of Carbon dioxide after an incubation at 35-37°C for 18-24hours.				
	MICROORGANISM (ATCC)	INOCULUM (CFU)	GROWTH	Esculin Hydrolysis
	Enterococcus faecalis 29212 (00087*)	50-100	luxuriant	>=50% positive reaction, blackening of medium around the colony
	Proteus mirabilis 25933	50-100	luxuriant	>=50% negative reaction
	Streptococcus pyogenes 19615	50-100	none-poor	>=10% negative reaction

Refer disclaimer Overleaf

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<b>Precautions :</b>	1. In Vitro diagnostic use only. 2. Read the label before opening the container
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium. 2. This medium is general purpose medium and may not support the growth of fastidious organisms.
<b>Use:</b>	Recommended for differential isolation and presumptive identification of group D Streptococci in food and pharmaceutical products.
<b>Storage:</b>	Store between 2-8°C. Use before expiry date on the label.
<b>Packing:</b>	10/25 disposable slants.

**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.  
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