

**TECHNICAL SHEET**

<b>AS005</b>	<b>L.M. Slant (Loeffler Medium)</b>	
<b>Formula</b>		
<b>Ingredients:</b>	<b>gms/25ml</b>	
Peptone, special	2.50	
peptone B #	2.50	
Sodium chloride	1.25	
Dextrose	2.50	
Horse serum	750.00	
Final pH (at 25°C): 7.3 ± 0.2		
<b>Directions:</b>		
Streak the test inoculum aseptically into the slant and incubate at appropriate conditions.		
<b>Principle:</b>		
Loeffler Serum Medium contains heart muscle infusion and peptic digest of animal tissue which provide amino acids and other complex nitrogenous substances necessary to support growth of Corynebacteria. Sodium chloride provides essential ions while dextrose is the source of fermentable carbohydrate. The high serum content helps in determining proteolytic activity of organisms. It is also used for demonstration of pigmentation and ascospores. Peptone special, peptone B provide essential growth nutrients. Dextrose is the source of fermentable carbohydrate and energy.		
<b>(I) QC Tests</b>		
pH:	5.6 ± 0.2	
Color:	Yellowish white coloured medium.	
Appearance:	Sterile e Loeffler's Medium in disposable slants.	
<b>(II) Sterility test</b>	Passes release criteria	
<b>(III) Q.C. Test Microbiological</b>		
Cultural characteristics observed after incubation at 22-28°C for 24-48 hours.		
MICROORGANISM (ATCC)	INOCULUM (CFU)	GROWTH
Corynebacterium diphtheriae 11913	50-100	Fair-good
Pseudomonas aeruginosa 10145 (00024*)	50-100	good (green colonies with proteolysis)
Staphylococcus aureus subsp. aureus 25923 (00034*)	50-100	good (yellow to gold colonies)

Refer disclaimer Overleaf

<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.
<b>Use:</b>	Recommended for cultivation of Corynebacteria, especially Corynebacterium diphtheriae.
<b>Storage:</b>	Store between 2-8°C. Use before expiry date on the label.
<b>Packing:</b>	20/50 disposable plates.

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**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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