CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

Product Name: Mannitol Salt Agar	
Product Code: DM160H	**Expiry Date: 16/09/2022**
Lot Number : 06430917	**Release Date: 16/09/2017**
Analytical Report Number : QAD/AR-17/09-1016	**Page No: 1 of 3**

DEHYDRATED MEDIUM			
TEST CONDUCTED	**SPECIFICATION**	**OBSERVATIONS**	**REMARKS**
Color	Light yellow to pink colored powder	Light yellow to pink colored powder	Complies
Consistency	Homogenous, free flowing powder	Homogenous, free flowing powder	Complies

PREPARED MEDIUM			
TEST CONDUCTED	**SPECIFICATION**	**OBSERVATIONS**	**REMARKS**
Color of medium	Red colored	Red colored	Complies
Clarity of medium (After sterilization)	Clear to slightly opalescent gel forms in petri plates	Clear to slightly opalescent gel formed in petri plates	Complies
pH (After sterilization)	7.20-7.60 at 25°C	7.30	Complies
Gel strength	Firm as compared to 1.5% Agar gel	Firm as compared to 1.5% Agar gel	Complies
Growth Promotion Test	Growth Promotion was carried out in accordance with the harmonized method of USP/EP/BP/JP, after incubation at 30-35°C for 24-48 hours. Recovery rate is considered as 100% for bacteria growth on Soybean Casein Digest Agar.		
Growth promoting properties	Growth of microorganism comparable to that previously obtained with previously tested and approved lot of medium occurs at the specified temperature for not more than the shortest period of time specified, inoculating ≤ 100 cfu (at 30-35°C for ≤ 24 hours).		
Indicative properties	Colonies are comparable in appearance and indication reaction to those previously obtained with previously tested and approved lot of medium occurs for the specified temperature for a period of time within the range specified inoculating ≤ 100cfu (at 30-35°C for 18-72 hours).		
Inhibitory properties	No growth of the test microorganism occurs for the specified temp for not less than longest period of time specified inoculating >=1000cfu (at least 1000cfu) (at 30-35°C for >= 72 hours).		

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CULTURAL PARAMETERS: Recovery rate is considered as 100% for bacteria when grown on Soyabean Casein Digest Agar (DM247).

Organisms	Incubation time/ temp	No. of organisms inoculated	No. of organisms recovered	Percentage Recovery	Growth	Colour of colony	Remarks
Staphylococcus aureus ATCC 6538	30-35°C/ 18-72 hrs	88	72	88%	Luxuriant	Yellow/white colonies surrounded by yellow zone	Complies
Escherichia coli ATCC 8739	30-35°C/ 18-72 hrs	>=10^3	0	0%	Inhibited	--	Complies
Staphylococcus aureus ATCC 25923	30-35°C/ 18-72 hrs	79	64	81%	Luxuriant	Yellow/White colonies surrounded by yellow zone	Complies
Staphylococcus epidermidis ATCC 12228	30-35°C/ 18-72 hrs	73	25	34%	Fair - good	Red	Complies
Staphylococcus epidermidis ATCC 14990	30-35°C/ 18-72 hrs	75	15	20%	Fair - good	Red	Complies
Proteus mirabilis ATCC 12453	30-35°C/ 18-72 hrs	75	5	6%	None-poor	Yellow	Complies
Escherichia coli ATCC 25922	30-35°C/ 18-72 hrs	>= 10^3	0	0%	Inhibited	--	Complies
Escherichia coli NCTC 9002	30-35°C/ 18-72 hrs	> =10^3	0	0%	Inhibited	--	Complies
Escherichia coli ATCC 8739	30-35°C/ 18-72 hrs	> =10^3	0	0%	Inhibited	---	Complies

CULTURAL PARAMETERS: Recovery rate is considered as 100% for bacteria when grown on Soyabean Casein Digest Agar (DM247).

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Enterobacter aerogenes ATCC 13048	30-35°C/ 18-72 hrs	> =10^3	0	0%	Inhibited	--	Complies

Final Results: COMPLIES

This is to certify that this lot passes and it conforms to the above mentioned tests and specifications.

TESTED BY **(Madhura Kadam)** **MICROBIOLOGIST**	**CHECKED BY** **(Tejal Shinde)** **HEAD MICROBIOLOGY**	**APPROVED BY** **(Rupali Sabale)** **HEAD QUALITY ASSURANCE**

End Of The Report

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