



CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

Product Name: Mannitol Salt Agar	
Product Code: DM160	Expiry Date: 31/07/2023
Lot Number : 04520718	Release Date: 01/08/2018
Analytical Report Number : QAD/AR-18/07-701	Page No: 1 of 2

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	7.52	Complies
Gel strength	Firm as compared to 1.5% Agar gel	Firm as compared to 1.5% Agar gel	Complies

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
<i>Staphylococcus aureus</i> ATCC 6538	30-35°C/ 18-72 hrs	68	56	82%	Luxuriant	Yellow/white colonies surrounded by yellow zone	Complies
<i>Escherichia coli</i> ATCC 8739	30-35°C/ 18-72 hrs	$\geq 10^3$	0	0%	Inhibited	--	Complies
<i>Staphylococcus aureus</i> ATCC 25923	30-35°C/ 18-72 hrs	87	72	82%	Luxuriant	Yellow/White colonies surrounded by yellow zone	Complies



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Organisms	Incubation time/ temp	No. of organisms inoculated	No. of organisms recovered	Percentage Recovery	Growth	Colour of colony	Remarks
<i>Staphylococcus epidermidis</i> ATCC 12228	30-35°C/ 18-72 hrs	81	25	30%	Fair -good	Red	Complies
<i>Staphylococcus epidermidis</i> ATCC 14990	30-35°C/ 18-72 hrs	82	26	31%	Fair -good	Red	Complies
<i>Proteus mirabilis</i> ATCC 12453	30-35°C/ 18-72 hrs	72	2	2%	None-poor	Yellow	Complies
<i>Escherichia coli</i> ATCC 25922	30-35°C/ 18-72 hrs	$\geq 10^3$	0	0%	Inhibited	--	Complies
<i>Escherichia coli</i> NCTC 9002	30-35°C/ 18-72 hrs	$> =10^3$	0	0%	Inhibited	--	Complies
<i>Escherichia coli</i> ATCC 8739	30-35°C/ 18-72 hrs	$> =10^3$	0	0%	Inhibited	---	Complies
<i>Enterobacter aerogenes</i> 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 (Aditi Modak) HEAD MICROBIOLOGY	APPROVED BY (Rupali Sabale) HEAD QUALITY ASSURANCE

End Of The Report