



CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

Product Name: Mannitol Salt Agar	
Product Code: DM160	Expiry Date: 06/03/2023
Lot Number : 01370218	Release Date: 06/03/2018
Analytical Report Number : QAD/AR-18/03-205	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	7.41	Complies
Gel strength	Firm as compared to 1.5% Agar gel	Firm as compared to 1.5% Agar gel	Complies

CULTURAL PARAMETERS: Cultural response on Mannitol Salt Agar observed after incubation at 35-37°C for 18-72 hours. Recovery rate is considered as 100% for bacteria growth on Soybean Casein Digest Agar.

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	35-37°C/ 18-72 hrs	85	69	81%	Luxuriant	Yellow/white colonies surrounded by yellow zone	Complies
<i>Escherichia coli</i> ATCC 8739	35-37°C/ 18-72 hrs	> 10 ³	0	0%	Inhibited	---	Complies



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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
<i>Staphylococcus aureus</i> ATCC 25923	35-37°C/ 18-72 hrs	86	71	83%	Luxuriant	Yellow/White colonies surrounded by yellow zone	Complies
<i>Staphylococcus epidermidis</i> ATCC 12228	35-37°C/ 18-72 hrs	77	28	36%	Fair -good	Red	Complies
<i>Staphylococcus epidermidis</i> ATCC 14990	35-37°C/ 18-72 hrs	75	25	32%	Fair -good	Red	Complies
<i>Proteus mirabilis</i> ATCC 12453	35-37°C/ 18-72 hrs	76	5	6%	None-poor	Yellow	Complies
<i>Escherichia coli</i> ATCC 25922	35-37°C/ 18-72 hrs	> 10 ³	0	0%	Inhibited	--	Complies
<i>Escherichia coli</i> NCTC 9002	35-37°C/ 18-72 hrs	> 10 ³	0	0%	Inhibited	--	Complies
<i>Enterobacter aerogenes</i> ATCC 13048	35-37°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 (Deepti Nair) MICROBIOLOGIST	CHECKED BY (Aditi Modak) HEAD MICROBIOLOGY	APPROVED BY (Rupali Sabale) HEAD QUALITY ASSURANCE

End Of The Report