



CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

Product Name: Mannitol Salt agar + MacConkey Agar Bi plate	
Product Code: BP006-10PL	Expiry Date: 25/07/2018
Lot Number: 01110218	Release Date: 22/02/2018
Analytical Report Number: QAD/AR-18/02-163	Page No: 1 of 3

PREPARED PLATES			
TEST CONDUCTED	SPECIFICATION	OBSERVATIONS	REMARKS
MANNITOL SALT AGAR IN BI-PLATE			
Colour of Final Medium	Pinkish Red colored medium	Pinkish Red colored medium	Complies
Clarity after autoclaving	Clear to slightly opalescent gel forms in petri-plates.	Clear to slightly opalescent gel formed in petri-plates.	Complies
pH	7.20 to 7.60	7.56	Complies
Gel Strength	Firm gel with 1.5% Agar	Firm gel with 1.5% Agar	Complies
Quantity of Medium in Plates	10 to 15 ml	10ml	Complies
Sterilization	Autoclaving at 15 lbs Pressure (121°C) for 20 minutes.	Autoclaving at 15 lbs Pressure (121°C) for 20 minutes.	Complies
MACCONKEY AGAR IN BI-PLATE			
Colour of Final Medium	Reddish coloured	Reddish coloured	Complies
Clarity after autoclaving	Clear to slightly opalescent gel forms in petri-plates.	Clear to slightly opalescent gel forms in petri-plates.	Complies
pH	6.90 to 7.30	7.12	Complies
Gel Strength	Firm gel with 1.5% Agar	Firm gel with 1.5% Agar	Complies
Quantity of Medium in Plates	10 to 15 ml	10ml	Complies
Sterilization	Autoclaving at 15 lbs Pressure (121°C) for 20 minutes.	Autoclaving at 15 lbs Pressure (121°C) for 20 minutes.	Complies
PREINCUBATION CHECK OF BIPLATE			
Pre Incubation Check	No growth observed after incubation at 30-35 Deg C for 24 - 48 hrs	No growth observed after incubation at 30-35 Deg C for 24 - 48 hrs	Complies

CULTURAL PARAMETERS:

MANNITOL SALT AGAR				
Organisms	Incubation time/ temp	Growth	Color of Colonies	Remarks
<i>Staphylococcus aureus</i> ATCC 6538	35 – 37 °C/ 18 -72hrs	Luxuriant	Yellow colonies surrounded by yellow zone	Complies
<i>Escherichia coli</i> ATCC8739	35 – 37 °C/ >=72hrs	Inhibited	NA	Complies
<i>Staphylococcus aureus</i> ATCC25923	35 – 37 °C/ 18 -72hrs	Luxuriant	Yellow colonies surrounded by yellow zone	Complies



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CULTURAL PARAMETERS:

Organisms	Incubation time/ temp	Growth	Color of Colonies	Remarks
<i>Staphylococcus epidermidis</i> ATCC12228	35 – 37 °C/ 18 -72hr.	Fair-good	Red	Complies
<i>Staphylococcus epidermidis</i> ATCC14990	35 – 37 °C/ 18 -72hrs.	Fair-good	Red	Complies
<i>Proteus mirabilis</i> ATCC12453	35 – 37 °C/ 18 -72hrs.	Poor	Yellow	Complies
<i>Escherichia coli</i> ATCC 25922	35 – 37 °C/ >=72hrs.	Inhibited	NA	Complies
<i>Escherichia coli</i> NCTC9002	35 – 37 °C/ >=72hrs.	Inhibited	NA	Complies
<i>Enterobacter aerogenes</i> ATCC 13048	35 – 37 °C/ >=72hrs.	Inhibited	NA	Complies

CULTURAL PARAMETERS:

MACCONKEY AGAR				
Organisms	Incubation time/ temp	Growth	Color of Colonies	Remarks
<i>Enterobacter aerogenes</i> ATCC 13048	35 – 37 °C/ 24 - 48 hrs.	Luxuriant	Pink	Complies
<i>Escherichia coli</i> ATCC 25922	35 – 37 °C/ 24 - 48 hrs.	Luxuriant	Pink with bile precipitation	Complies
<i>Proteus vulgaris</i> ATCC 13315	35 – 37 °C/ 24 - 48 hrs.	Luxuriant	Colorless	Complies
<i>Salmonella enteritidis</i> ATCC 13076	35 – 37 °C/ 24 - 48 hrs.	Luxuriant	Colorless	Complies
<i>Salmonella typhi</i> ATCC 6539	35 – 37 °C/ 24 - 48 hrs.	Luxuriant	Colorless	Complies
<i>Salmonella paratyphi A</i>	35 – 37 °C/ 24 - 48 hrs.	Luxuriant	Colorless	Complies
<i>Salmonella paratyphi B</i>	35 – 37 °C/ 24 - 48 hrs.	Luxuriant	Colorless	Complies
<i>Shigella flexneri</i> ATCC 12022	35 – 37 °C/ 24 - 48 hrs.	Fair to good	Colorless	Complies
<i>Enterococcus faecalis</i> ATCC 29212	35 – 37 °C/ 24 - 48 hrs.	Fair	Pink	Complies
<i>Staphylococcus aureus</i> ATCC 25923	35 – 37 °C/ 24 - 48 hrs.	Inhibited	NA	Complies






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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