CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

Product Name: Mannitol Salt agar + MacConkey Agar Bi plate	
Product Code: BP006-10PL	**Expiry Date: 11/02/2019**
Lot Number: 05510918	**Release Date: 11/09/2018**
Analytical Report Number: QAD/AR-18/09-897	**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	7.51	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^{o}C) for 20 minutes.	Autoclaving at 15 lbs Pressure (121^{o}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	7.10	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^{o}C) for 20 minutes.	Autoclaving at 15 lbs Pressure (121^{o}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**
Staphylococcus aureus ATCC 6538	35 – 37 °C/ 18 -72hrs	Luxuriant	Yellow colonies surrounded by yellow zone	Complies
Escherichia coli ATCC8739	35 – 37 °C/ >=72hrs	Inhibited	NA	Complies
Staphylococcus aureus 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
Staphylococcus epidermidis ATCC12228	35 – 37 °C/ 18 -72hr.	Fair-good	Red	Complies
Staphylococcus epidermidis ATCC14990	35 – 37 °C/ 18 -72hrs.	Fair-good	Red	Complies
Proteus mirabilis ATCC12453	35 – 37 °C/ 18 -72hrs.	Poor	Yellow	Complies
Escherichia coli ATCC 25922	35 – 37 °C/ >=72hrs.	Inhibited	NA	Complies
Escherichia coli NCTC9002	35 – 37 °C/ >=72hrs.	Inhibited	NA	Complies
Enterobacter aerogenes ATCC 13048	35 – 37 °C/ >=72hrs.	Inhibited	NA	Complies

CULTURAL PARAMETERS:

MACCONKEY AGAR				
Organisms	**Incubation time/ temp**	**Growth**	**Color of Colonies**	**Remarks**
Enterobacter aerogenes ATCC 13048	35 – 37 °C/ 24 - 48 hrs.	Luxuriant	Pink	Complies
Escherichia coli ATCC 25922	35 – 37 °C/ 24 - 48 hrs.	Luxuriant	Pink with bile precipitation	Complies
Proteus vulgaris ATCC 13315	35 – 37 °C/ 24 - 48 hrs.	Luxuriant	Colorless	Complies
Salmonella enteritidis ATCC 13076	35 – 37 °C/ 24 - 48 hrs.	Luxuriant	Colorless	Complies
Salmonella typhi ATCC 6539	35 – 37 °C/ 24 - 48 hrs.	Luxuriant	Colorless	Complies
Salmonella paratyphi A	35 – 37 °C/ 24 - 48 hrs.	Luxuriant	Colorless	Complies
Salmonella paratyphi B	35 – 37 °C/ 24 - 48 hrs.	Luxuriant	Colorless	Complies
Shigella flexneri ATCC 12022	35 – 37 °C/ 24 - 48 hrs.	Fair to good	Colorless	Complies
Enterococcus faecalis ATCC 29212	35 – 37 °C/ 24 - 48 hrs.	Fair	Pink	Complies
Staphylococcus aureus 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 **(Madhura Kadam)** **MICROBIOLOGIST**	**CHECKED BY** **(Aditi Modak)** **HEAD MICROBIOLOGY**	**APPROVED BY** **(Rupali Sabale)** **HEAD QUALITY ASSURANCE**

End Of The Report