



## CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

<b>Product Name: MacConkey Agar</b>	
<b>Product Code: DM143</b>	<b>Expiry Date: 28/08/2021</b>
<b>Lot Number: 04850818</b>	<b>Release Date: 28/08/2018</b>
<b>Analytical Report Number: QAD/AR-18/08-849</b>	<b>Page No: 1 of 3</b>

DEHYDRATED MEDIUM			
TEST CONDUCTED	SPECIFICATION	OBSERVATIONS	REMARKS
Color	Light yellow to pink	Light yellow to pink	Complies
Consistency	Homogenous, free flowing powder	Homogenous, free flowing powder	Complies
PREPARED MEDIUM			
TEST CONDUCTED	SPECIFICATION	OBSERVATIONS	REMARKS
Color of medium	Red with purplish tinge	Red with purplish tinge	Complies
Clarity of medium (After sterilization)	Clear to slightly opalescent .	Clear to slightly opalescent gel formed in petri plates.	Complies
pH (After sterilization)	6.90-7.30 at 25°C	7.21	Complies
Gel strength	Firm as compared to 1.5% Agar gel	Firm as compared to 1.5% Agar gel	Complies

### CULTURAL PARAMETERS:

Organisms	Incubation time/ temp	No. of organisms inoculated	No. of organisms recovered	Percentage recovery	Growth	Color of colony	Remarks
<i>Escherichia coli</i> ATCC 8739	30-35°C / 18-72 hrs	52	39	75%	Luxuriant	Pink-red with Bile precipitate	Complies
<i>Escherichia coli</i> ATCC25922	30-35°C / 18-72 hrs	80	65	81%	Luxuriant	Pink-red with Bile precipitate	Complies
<i>Escherichia coli</i> NCTC 9002	30-35°C / 18-72 hrs	95	71	74%	Luxuriant	Pink-red with Bile precipitate	Complies
<i>Enterobacter aerogenes</i> ATCC 13048	30-35°C / 18-72 hrs	72	60	83%	Luxuriant	Pink to red	Complies
<i>Enterococcus faecalis</i> ATCC 29212	30-35°C / 18-72 hrs	92	40	43%	Fair to good	Colorless to Pale pink	Complies
<i>Salmonella typhimurium</i> ATCC 14028	30-35°C / 18-72 hrs	79	65	83%	Luxuriant	Colorless	Complies

### CULTURAL PARAMETERS:



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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 aureus</i> ATCC 6538	35-37°C / 18-72 hrs	>10 <sup>3</sup>	0	0	Inhibited	--	Complies
<i>Staphylococcus aureus</i> ATCC 25923	35-37°C / 18-72 hrs	>10 <sup>3</sup>	0	0	Inhibited	--	Complies
<i>Salmonella enteritidis</i> ATCC 13076	35-37°C / 18-72 hrs	54	44	81%	Luxuriant	Pink-red with Bile precipitate	Complies
<i>Salmonella paratyphi A</i> ATCC 13076	35-37°C / 18-72 hrs	79	65	82%	Luxuriant	Pink to red	Complies
<i>Salmonella paratyphi B</i> ATCC 8759	35-37°C / 18-72 hrs	80	35	43%	Fair to good	Colourless to Pale pink	Complies
<i>Salmonella typhi</i> ATCC 6539	35-37°C / 18-72 hrs	51	40	78%	Luxuriant	Colourless	Complies
<i>Salmonella abony</i> ATCC 6539	35-37°C / 18-72 hrs	70	58	82%	Luxuriant	Colourless	Complies
<i>Proteus vulgaris</i> ATCC 13315	35-37°C / 18-72 hrs	58	45	78%	Luxuriant	Colourless	Complies
<i>Shigella flexneri</i> ATCC 12022	35-37°C / 18-72 hrs	60	60	75%	Luxuriant	Colourless	Complies
<i>Staphylococcus epidermidis</i> ATCC 12228	35-37°C / 18-72 hrs	>10 <sup>3</sup>	0	0	Inhibited	--	Complies
<i>Corynebacterium diphtheria</i> <i>type gravis</i>	35-37°C / 18-72 hrs	>10 <sup>3</sup>	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.



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<b>TESTED BY</b> (Madhura Kadam) MICROBIOLOGIST	<b>CHECKED BY</b> (Aditi Modak) HEAD MICROBIOLOGY	<b>APPROVED BY</b> (Rupali Sabale) HEAD QUALITY ASSURANCE

End Of The Report