



## CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

<b>Product Name: MacConkey Agar</b>	
<b>Product Code: DM143</b>	<b>Expiry Date: 14/07/2023</b>
<b>Lot Number: 03920718</b>	<b>Release Date: 14/07/2018</b>
<b>Analytical Report Number: QAD/AR-18/07-620</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	7.13	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	84	74	88%	Luxuriant	Pink-red with Bile precipitate	Complies
<i>Escherichia coli</i> ATCC25922	30-35°C / 18-72 hrs	94	81	86%	Luxuriant	Pink-red with Bile precipitate	Complies
<i>Escherichia coli</i> NCTC 9002	30-35°C / 18-72 hrs	75	65	86%	Luxuriant	Pink-red with Bile precipitate	Complies
<i>Enterobacter aerogenes</i> ATCC 13048	30-35°C / 18-72 hrs	84	68	80%	Luxuriant	Pink to red	Complies
<i>Enterococcus faecalis</i> ATCC 29212	30-35°C / 18-72 hrs	67	25	37%	Fair to good	Colorless to Pale pink	Complies
<i>Salmonella typhimurium</i> ATCC 14028	30-35°C / 18-72 hrs	82	73	86%	Luxuriant	Colorless	Complies

DM143COA,QAD/FR/031,Rev.00/01.01.2018

### Micromaster laboratories Pvt.Ltd

Manufacturer and Exporter

Unit No.38/39, Kalpataru Industrial Estate .Near Runwal Estate,Behind R Mall,  
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### CULTURAL PARAMETERS:

Organisms	Incubation time/ temp	No. of organisms inoculated	No. of organisms recovered	Percentage recovery	Growth	Color of colony	Remarks
<i>Staphylococcus aureus</i> ATCC 6538	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	$\geq 10^3$	0	0%	Inhibited	--	Complies
<i>Salmonella enteritidis</i> ATCC 13076	30-35°C / 18-72 hrs	78	65	83%	Luxuriant	Colorless	Complies
<i>Salmonella paratyphi A</i> ATCC 9150	30-35°C / 18-72 hrs	74	62	83%	Luxuriant	Colorless	Complies
<i>Salmonella paratyphi B</i> ATCC 8759	30-35°C / 18-72 hrs	75	63	84%	Luxuriant	Colorless	Complies
<i>Salmonella typhi</i> ATCC 6539	30-35°C / 18-72 hrs	80	69	86%	Luxuriant	Colorless	Complies
<i>Salmonella abony</i> NCTC 6017	30-35°C / 18-72 hrs	80	70	87%	Luxuriant	Colorless	Complies
<i>Proteus vulgaris</i> ATCC 13315	30-35°C / 18-72 hrs	75	65	86%	Luxuriant	Colorless	Complies
<i>Shigella flexneri</i> ATCC 12022	30-35°C / 18-72 hrs	73	26	35%	Fair to good	Colorless	Complies

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### CULTURAL PARAMETERS:

<i>Staphylococcus epidermis</i> ATCC 12228	30-35°C / 18-72 hrs	$\geq 10^3$	0	0%	Inhibited	--	Complies
<i>Corynebacterium diphtheriae</i> type gravis	30-35°C / 18-72 hrs	$\geq 10^3$	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

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