CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

Product Name : MacConkey Agar W/o CV, with 0.5%Bile Salt		**Mfg. Date**	17-Aug-2019
Product Code : DM145		**Expiry Date**	19-Aug-2024
Lot Number : 07040819		**Release Date**	17-Aug-2019
Analytical Report Number : QAD/AR-19/08-0856		**Page No**	Page 1

DEHYDRATED MEDIUM

TESTS CONDUCTED	**SPECIFICATIONS**	**OBSERVATIONS**	**REMARKS**
Color	Light yellow to pink	Light Pink	Complies
Consistency	Homogenous, free flowing powder	Homogenous, free flowing powder	Complies

PREPARED MEDIUM

TESTS CONDUCTED	**SPECIFICATIONS**	**OBSERVATIONS**	**REMARKS**
Color of medium	Orange red coloured	Orange red coloured	Complies
Clarity of medium (After sterilization)	clear to slightly opalescent gel forms in Petri plates	clear to slightly opalescent gel forms in Petri plates	Complies
pH (After sterilization)	7.20-7.60 at 25°C	7.52	Complies
Gel strength	Firm as compared to1.2% Agar gel	Firm as compared to1.2% Agar gel	Complies

CULTURAL PARAMETERS : Cultural characteristics observed after an incubation 35-37°C for 18-24 hours.

Type	**Organisms**	**No. of Organis-ms inoculated**	**No. of Organis-ms recovered**	**Percent-age recovery**	**Growth**	**Color of colony**	**Remarks**

...continued

CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

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Standard	*Escherichia Coli ATCC 25922*	*50-100*	*25-200*	*>50%*	*Good luxuriant*	*Pink with Bile Precipitate*	
Test	**Escherichia Coli ATCC 25922**	**74**	**63**	**85.135%**	**Good luxuriant**	**Pink with Bile Precipitation**	**Complies**
Standard	*Enterobacter Aerogenes ATCC 13048*	*50-100*	*25-200*	*>50%*	*Good luxuriant*	*Pink*	
Test	**Enterobacter Aerogenes ATCC 13048**	**86**	**69**	**80.232%**	**Good luxuriant**	**Pink**	**Complies**
Standard	*Enterococcus Faecalis ATCC 29212*	*50-100*	*25-200*	*30-40%*	*Fair*	*Pink*	
Test	**Enterococcus Faecalis ATCC 29212**	**85**	**33**	**38.823%**	**Fair**	**Pink**	**Complies**
Standard	*Proteus Vulgaris ATCC 13315*	*50-100*	*25-200*	*>50%*	*Good luxuriant*	*Colorless*	
Test	**Proteus Vulgaris ATCC 13315**	**90**	**75**	**83.333%**	**Good luxuriant**	**Colorless**	**Complies**
Standard	*Shigella Flexneri ATCC 12022*	*50-100*	*25-200*	*>50%*	*Fair*	*Colorless*	
Test	**Shigella Flexneri ATCC 12022**	**75**	**31**	**41.333%**	**Fair**	**Colorless**	**Complies**
Standard	*Salmonella Enteritidis ATCC 13076*	*50-100*	*25-200*	*>50%*	*Good luxuriant*	*Colorless*	
Test	**Salmonella Enteritidis ATCC 13076**	**90**	**87**	**96.666%**	**Good luxuriant**	**Colorless**	**Complies**
Standard	*Staphylococcus Aureus ATCC 25923*	*50-100*	*25-200*	*30-40%*	*Fair*	*Pink to Red*	
Test	**Staphylococcus Aureus ATCC 25923**	**68**	**22**	**32.352%**	**Fair**	**Pink**	**Complies**
Standard	*Salmonella Typhimurium ATCC 14028*	*50-100*	*25-200*	*>50%*	*Good luxuriant*	*Colorless*	
Test	**Salmonella Typhimurium ATCC 14028**	**82**	**76**	**92.682%**	**Good luxuriant**	**Colorless**	**Complies**

Final Results : COMPLIES

This is to certify that this lot passes and it conforms to the above mentioned tests and specifications.

TESTED BY **Pooja** **MICROBIOLOGIST**	**CHECKED BY** **Pooja** **HEAD MICROBIOLOGY**	**APPROVED BY** **Rupali** **HEAD QUALITY ASSURANCE**

End of the Report