



CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

Product Name: MIU Medium Base	
Product Code: DM169	Expiry Date : 25/05/2023
Lot Number: 03080518	Release Date: 25/05/2018
Analytical Report Number: QAD/AR-18/05-483	Page No: 1 of 2

DEHYDRATED MEDIUM			
TEST CONDUCTED	SPECIFICATION	OBSERVATIONS	REMARKS
Color	Light orange to light pink coloured powder	Light orange to light pink coloured powder	Complies
Consistency	Homogeneous free flowing powder	Homogeneous free flowing powder	Complies
PREPARED MEDIUM			
TEST CONDUCTED	SPECIFICATION	OBSERVATIONS	REMARKS
Color of medium	Yellowish orange coloured medium	Yellowish orange coloured medium	Complies
Clarity of medium (After sterilization)	Clear to slightly opalescent gel is obtained in tubes as butts after addition of urea solution.	Clear to slightly opalescent gel is obtained in tubes as butts after addition of urea solution.	Complies
pH (After sterilization)	6.60-7.00 at 25°C	6.65	Complies
Gel strength	Semisolid, comparable with 0.2% Agar gel.	Semisolid, comparable with 0.2% Agar gel	Complies

CULTURAL PARAMETERS: Cultural characteristics observed with added 40% Urea solution (MS031) after an incubation at 35-37°C for 18 – 24 hours.

Organisms	Incubation time/ temp	Growth	Indole	Motility	Urease activity	Remarks
<i>Escherichia coli</i> ATCC 25922	35-37°C\ 18 – 24 hrs	Good-luxuriant	Positive reaction, red ring at the interface of the medium	Positive, growth away from stabline causing turbidity	Negative reaction, no change	Complies
<i>Klebsiella pneumoniae</i> ATCC 13883	35-37°C\ 18 – 24 hrs	Good-luxuriant	Negative reaction no colour development/ cloudy ring	Negative, growth along the stabline, surrounding medium remains clear	Weakly positive	Complies
<i>Proteus mirabilis</i> ATCC 25933	35-37°C\ 18 – 24 hrs	good-luxuriant	Negative reaction no colour development/ cloudy ring	Positive, growth away from stabline causing turbidity	Positive reaction, cerise colour	Complies



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CULTURAL PARAMETERS: Cultural characteristics observed with added 40% Urea solution (MS031) after an incubation at 35-37°C for 18 – 24 hours.

Organisms	Incubation time/ temp	Growth	Indole	Motility	Urease activity	Remarks
<i>Proteus vulgaris</i> ATCC 13315	35-37°C\ 18 – 24 hrs	Good-luxuriant	Positive reaction, red ring at the interface of the medium	Positive, growth away from stabline causing turbidity	Positive reaction, cerise colour	Complies
<i>Salmonella typhimurium</i> ATCC 14028	35-37°C\ 18 – 24 hrs	Good-luxuriant	Negative reaction no colour development/ cloudy ring	Positive, growth away from stabline causing turbidity	Negative reaction, no change	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