



CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

Product Name: Triple Sugar Iron Agar	
Product Code: DM254	Expiry Date: 01/02/2023
Lot Number: 00600118	Release Date: 08/02/2018
Analytical Report Number: QAD/AR-18/02-111	Page No: 1 of 4

DEHYDRATED MEDIUM			
TEST CONDUCTED	SPECIFICATION	OBSERVATIONS	REMARKS
Color	Light yellow to pink colored powder	Light yellow to pink colored powder	Complies
Consistency	Homogenous, free flowing powder	Homogenous, free flowing powder	Complies
PREPARED MEDIUM			
TEST CONDUCTED	SPECIFICATION	OBSERVATIONS	REMARKS
Color of medium	Pinkish red colored	Pinkish red colored	Complies
Clarity of medium (After sterilization)	Clear to slightly opalescent gel forms in tube as slants.	Clear to slightly opalescent gel formed in tube as slants.	Complies
pH (After sterilization)	7.2 to 7.6 at 25°C	7.3	Complies
Gel strength	Firm as compared to 1.2% Agar gel	Firm as compared to 1.2% Agar gel	Complies

CULTURAL PARAMETERS: Cultural response on Triple Sugar Iron Agar at 35 - 37°C after 18 - 24 hours incubation.

Organisms	Incubation time/ temp	No. of organisms inoculated	Growth	Slant	Butt	Gas	H ₂ S (Blackening of Medium)	Remarks
<i>Citrobacter freundii</i> ATCC 8090	35-37°C/ 18-24 hrs	75	Luxuriant	Yellow colour Acidic reaction	Yellow colour Acidic reaction	Positive reaction	Positive reaction	Complies
<i>Enterobacter aerogenes</i> ATCC 13048	35-37°C/ 18-24 hrs	90	Luxuriant	Yellow colour Acidic reaction	Yellow colour Acidic reaction	Positive reaction	Negative reaction	Complies



CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

Product Name: Triple Sugar Iron Agar	
Product Code: DM254	Expiry Date: 01/02/2023
Lot Number: 00600118	Release Date: 08/02/2018
Analytical Report Number: QAD/AR-18/02-111	Page No: 2 of 4

CULTURAL PARAMETERS

Organisms	Incubation time/ temp	No. of organisms inoculated	Growth	Slant	Butt	Gas	H ₂ S (Blackening of Medium)	Remarks
<i>Escherichia coli</i> ATCC 25922	35-37°C / 18-24 hrs	91	Luxuriant	Yellow colour Acidic reaction	Yellow colour Acidic reaction	Positive reaction	Negative reaction	Complies
<i>Klebsiella pneumoniae</i> ATCC 13883	35-37°C / 18-24 hrs	82	Luxuriant	Yellow colour Acidic reaction	Yellow colour Acidic reaction	Positive reaction	Negative reaction	Complies
<i>Proteus vulgaris</i> ATCC 6380	35-37°C / 18-24 hrs.	75	Luxuriant	Red colour Alkaline reaction	Yellow colour Acidic reaction	Negative reaction	Positive reaction	Complies
<i>Salmonella paratyphi A</i> ATCC 9150	35-37°C / 18-24 hrs.	70	Luxuriant	Red colour Alkaline reaction	Yellow colour Acidic reaction	Positive reaction	Negative reaction	Complies
<i>Salmonella typhi</i> ATCC 6539	35-37°C / 18-24 hrs.	72	Luxuriant	Red colour Alkaline reaction	Yellow colour Acidic reaction	Negative reaction	Positive reaction	Complies
<i>Salmonella typhimurium</i> ATCC 14028	35-37°C / 18-24 hrs.	82	Luxuriant	Red colour Alkaline reaction	Yellow colour Acidic reaction	Positive reaction	Positive reaction	Complies



CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

Product Name: Triple Sugar Iron Agar	
Product Code: DM254	Expiry Date: 01/02/2023
Lot Number: 00600118	Release Date: 08/02/2018
Analytical Report Number: QAD/AR-18/02-111	Page No: 3 of 4

CULTURAL PARAMETERS:

Organisms	Incubation time/ temp	No. of organisms inoculated	Growth	Slant	Butt	Gas	H ₂ S (Blackening of Medium)	Remarks
<i>Shigella flexneri</i> ATCC 12022	35-37°C / 18-24 hrs.	72	Luxuriant	Red colour Alkaline reaction	Yellow colour Acidic reaction	Negative reaction	Negative reaction	Complies
<i>Escherichia coli</i> ATCC 8739	35-37°C / 18-24 hrs.	57	Luxuriant	Yellow colour Acidic reaction	Yellow colour Acidic reaction	--	Negative reaction	Complies
<i>Escherichia coli</i> NCTC 9002	35-37°C / 18-24 hrs.	79	Luxuriant	Yellow colour Acidic reaction	Yellow colour Acidic reaction	Positive reaction	Negative reaction	Complies
<i>Klebsiella pneumoniae</i> ATCC 10031	35-37°C / 18-24 hrs.	72	Luxuriant	Yellow colour Acidic reaction	Yellow colour Acidic reaction	Positive reaction	Negative reaction	Complies
<i>Salmonella enteritidis</i> ATCC 13315	35-37°C / 18-24 hrs.	82	Luxuriant	Red colour Alkaline reaction	Yellow colour Acidic reaction	Positive reaction	Positive reaction	Complies
<i>Salmonella abony</i> NCTC 6017	35-37°C / 18-24 hrs.	90	Luxuriant	Red colour Alkaline reaction	Yellow colour Acidic reaction	Positive reaction	Positive reaction	Complies
<i>Pseudomonas aeruginosa</i> ATCC 27853	35-37°C / 18-24 hrs.	89	Luxuriant	Red colour Alkaline reaction	Yellow colour Acidic reaction	Positive reaction	Positive reaction	Complies






CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

Product Name: Triple Sugar Iron Agar	
Product Code: DM254	Expiry Date: 01/02/2023
Lot Number: 00600118	Release Date: 08/02/2018
Analytical Report Number: QAD/AR-18/02-111	Page No: 4 of 4

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