



## CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

<b>Product Name: Triple Sugar Iron Agar</b>	
<b>Product Code: SB032-6SL</b>	<b>Expiry Date: 12/11/2019</b>
<b>Lot Number: 02760518</b>	<b>Release Date: 12/05/2018</b>
<b>Analytical Report Number: QAD/AR-18/05-454</b>	<b>Page No: 1 of 3</b>

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)	6.60-7.40 at 25°C	7.40	Complies
Gel strength	Firm as compared to 1.2% Agar gel	Firm as compared to 1.2% Agar gel	Complies
Quantity of Medium	12 ml	12 ml	Complies
PREINCUBATION CHECK OF MEDIUM			
Pre Incubation Check	No growth should be observed after incubation at 35-37 °C for 18 - 24hrs	No growth observed after incubation at 35-37 °C for 18 - 24hrs	Complies

### CULTURAL PARAMETERS:

Organisms	Incubation time/ temp	Growth	Slant	Butt	Gas	H <sub>2</sub> S (Blackening of Medium)	Remarks
<i>Citrobacter freundii</i> ATCC 8090	35-37°C/ 18-24 hrs	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	Luxuriant	Yellow colour Acidic reaction	Yellow colour Acidic reaction	Positive reaction	Negative reaction	Complies
<i>Escherichia coli</i> ATCC 25922	35-37°C/ 18-24 hrs	Luxuriant	Yellow colour Acidic reaction	Yellow colour Acidic reaction	Positive reaction	Negative reaction	Complies



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**CULTURAL PARAMETERS:**

Organisms	Incubati on time/ temp	Growth	Slant	Butt	Gas	H <sub>2</sub> S (Blackenin g of Medium)	Remarks
<i>Klebsiella pneumoniae</i> ATCC 13883	35-37°C / 18-24 hrs	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.	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.	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.	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.	Luxuriant	Red colour Alkaline reaction	Yellow colour Acidic reaction	Positive reaction	Positive reaction	Complies
<i>Shigella flexneri</i> ATCC 12022	35-37°C / 18-24 hrs.	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.	Luxuriant	Yellow colour Acidic reaction	Yellow colour Acidic reaction	--	Negative reaction	Complies



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### CULTURAL PARAMETERS:

Organisms	Incubation time/ temp	Growth	Slant	Butt	Gas	H <sub>2</sub> S (Blackening of Medium)	Remarks
<i>Escherichia coli</i> NCTC 9002	35-37°C / 18-24 hrs.	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.	Luxuriant	Yellow colour Acidic reaction	Yellow colour Acidic reaction	Positive reaction	Negative reaction	Complies

### Final Results: COMPLIES

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

		
<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