



## CERTIFICATE OF ANALYSIS, QUALITY AND CONFORMITY

<b>Product Name: Hugh Leifson Medium</b>	
<b>Product Code: DM370</b>	<b>Expiry Date : 23/04/2023</b>
<b>Lot Number: 02270418</b>	<b>Release Date: 23/04/2018</b>
<b>Analytical Report Number: QAD/AR-18/04-380</b>	<b>Page No: 1 of 2</b>

<b>DEHYDRATED MEDIUM</b>			
<b>TEST CONDUCTED</b>	<b>SPECIFICATION</b>	<b>OBSERVATIONS</b>	<b>REMARKS</b>
Color	Light yellow to bluish green	Light yellow to bluish green	Complies
Consistency	Homogenous, free flowing powder	Homogenous, free flowing powder	Complies
<b>PREPARED MEDIUM</b>			
<b>TEST CONDUCTED</b>	<b>SPECIFICATION</b>	<b>OBSERVATIONS</b>	<b>REMARKS</b>
Color of medium	Greenish blue coloured	Greenish blue coloured	Complies
Clarity of medium (After sterilization)	Clear to slightly opalescent gel forms in tubes as butts	Clear to slightly opalescent gel formed in tubes as butts	Complies
pH (After sterilization)	6.60-7.00 at 25°C	6.80	Complies
Gel strength	Semisolid as compared to 0.2% Agar gel.	Semisolid as compared to 0.2% Agar gel.	Complies

### **CULTURAL PARAMETERS:**

<b>Organisms</b>	<b>Incubation time/ temp</b>	<b>No. of organisms inoculated</b>	<b>Motility</b>	<b>Aerobic fermentation</b>	<b>Anaerobic fermentation</b>	<b>Remarks</b>
<i>Enterobacter aerogenes</i> ATCC 13048	35-37°C / 18-48 hrs	75	Positive, Growth away from stabline causing turbidity	Acid and gas production, positive reaction	Acid and gas production, positive reaction	Complies
<i>Escherichia coli</i> ATCC 25922	35-37°C / 18-48 hrs	72	Positive, Growth away from stabline causing turbidity	Acid and gas production, positive reaction	Acid and gas production, positive reaction	Complies
<i>Pseudomonas aeruginosa</i> ATCC 27853	35-37°C / 18-48 hrs	85	Positive, Growth away from stabline causing turbidity	Acid production, negative reaction, no colour change	Acid production, positive reaction, yellow colour	Complies



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### CULTURAL PARAMETERS:

Organisms	Incubation time/ temp	No. of organisms inoculated	Motility	Aerobic fermentation	Anaerobic fermentatoin	Remarks
<i>Salmonella Typhi</i> ATCC 6539	35-37°C / 18-48 hrs	74	Positive, Growth away from stabline causing turbidity	Acid and gas production, positive reaction	Acid and gas production, positive eaction	Complies
<i>Shigella sonnei</i> ATCC 25931	35-37°C / 18-48 hrs	75	Negative, growth along the stabline, surrounding medium remains clear	Acid and gas production, positive reaction	Acid production, positive reaction, yellow colour	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