



TITAN BIOTECH LIMITED



AN ISO 9001-2015 CERTIFIED COMPANY

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R.O. & Works

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C.I.N. - L74999RJ1992PLC013387

Customer Care Cell: 91-11-71239900, customercare@tmmedia.in

QUALITY ASSURANCE DEPARTMENT CERTIFICATE OF ANALYSIS

CoA No.	: TBL/QC/024/06199	Date	: 17/06/2024
Product Name	: CHROMOGENIC COLIFORM AGAR (CCA) (ISO 9308-1:2014, ISO 11133:2014)	Code	: TM 1858
Lot No.	: M1IF8FY01		
Date of Mfg.	: June 2024	Best Before	: May. 2028

Physical & Chemical Parameters:

Parameters	Specifications	Results
Dehydrated Medium	Cream to yellow colour, homogenous, free flowing powder	Complies
Prepared Medium	Light yellow colour, clear to slightly opalescent gel	Complies
pH at 25 °C	6.8 ± 0.2	7.0

Microorganism response:

Culture characteristics observed after inoculating 50 -100 CFU, for incubation period of 18 - 24 hours at 35-37°C.

*Recovery for the growth of microorganism on Soya Casein Digest Agar (TM 345) is considered to be 100%.

Microorganisms	ATCC	Inoculum (CFU)	Observed (CFU)	Growth	Appearance of colony	Recovery (%)	Results
<i>Escherichia coli</i>	25922	70	58	Luxuriant	Dark blue to violet colonies	83	Complies
<i>Enterobacter aerogenes</i>	13048	71	56	Luxuriant	Pink to red	79	Complies
<i>Salmonella typhimurium</i>	14028	73	58	Luxuriant	Colourless	79	Complies
<i>Enterococcus faecalis</i>	29212	≥ 1000	-	Inhibited	-	-	Complies

For inhibitory microorganism: No growth is observed after inoculating ≥ 1000 CFU and incubating for not less than longest incubation period (24 hours) at 35-37°C.

Results: Satisfactory

Information on TSE / BSE risk

This is to certify that Titan Biotech Ltd had not done product specific validation for majority of their products. Titan Biotech Ltd provides all the data that allows the customers to evaluate and minimize risk when using the products in their respective processes. We declare the bovine raw material for products was collected from bovine of Indian origin only and were procured from the Government approved slaughter houses in India. The animal was screened for contagious diseases by the Government approved Veterinarian doctor before slaughter and was slaughtered if found to be free. Parts of bovine animals which are highly contagious such as skull/vertebra/other parts are not considered as raw material, only those tissues are taken which possess least risk such as skeleton muscles/body fluid – milk/other tissues with no detected infective are taken (WHO guideline). The material is washed with hot water and cleaned in order to restrict cross contamination.

Till to date there is no case of TSE / BSE had been reported in India.

We certify the above product is having least or no risk of TSE / BSE.

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Manager QA