



TITAN BIOTECH LIMITED



AN ISO 9001-2015 CERTIFIED COMPANY

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R.O. & Works

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QUALITY ASSURANCE DEPARTMENT CERTIFICATE OF ANALYSIS

CoA No.	: TBL/QC/024/02076	Date	: 10/02/2024
Product Name	: XLD AGAR (XYLOSE LYSINE DEOXYCHOLATE AGAR) (as per USP/BP/JP/EP)	Code	: TMH 112
Lot No.	: H1B2BY01		
Date of Mfg.	: Feb. 2024	Best Before	: Jan. 2028

Physical & Chemical Parameters:

Parameters	Specifications	Results
Dehydrated Medium	Light yellow to light pink colour, homogeneous, free flowing powder.	Complies
Prepared Medium	Red colour, clear to slightly opalescent gel.	Complies
pH at 25°C	7.40 ± 0.2	7.32

Microorganism response:

Culture characteristics observed after inoculating 50-100 CFU, for incubation period of 18-72 hours at 30-35°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)	Appearance of colony	Growth	Recovery on test media (%)	Results
<i>Salmonella typhimurium</i>	14028	79	63	Red with black centers	Luxuriant	80	Complies
<i>Salmonella typhi</i>	6539	76	65	Red with black centers	Luxuriant	86	Complies
<i>Proteus mirabilis</i>	25933	72	61	Grey with black centres	Luxuriant	85	Complies
<i>Shigella flexneri</i>	12022	69	25	Red	Fair	36	Complies
<i>Escherichia coli</i>	8739	77	16	Yellow	Fair	21	Complies
<i>Staphylococcus aureus</i>	6538	≥1000	-	-	Inhibited	-	Complies
<i>Enterococcus faecalis</i>	29212	≥1000	-	-	Inhibited	-	Complies
<i>Shigella sonnei</i>	25931	70	23	Red	Fair	33	Complies

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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