QUALITY CONTROL CERTIFICATE

Xebios Diagnostics Group
Excellent Environment & Life

Product name : Tryptone Soya Agar
Abbreviation : TSA
Article code : T400.76.0250
Filling Volume : 250 ml

Batch number : 20221000091
Storage temp. : 2-25 °C
Expiration date : 05-10-2023
(for sealed enclosure as dd-mm-yyyy)

Typical Formula

*Ingredients per litre of nutrient medium * :*

Pancreatic digest of casein	15	gr
Papaic digest of soybean meal	5	gr
Sodium chloride	5	gr
Agar	15	gr
Demiwater	1000	ml

** Adjusted as required to meet peformance standards.*

Physical Properties

Test	Criterium	Result	Conforms
pH	7.3 ± 0.2	7.2	C
Color	cream	cream	C
Consistency	agar	agar	C
Gel Strength		Conforms	C
Appearance	Clear:Yes Partic.:No	Clear:Yes Part.:No	C

Microbial Contamination

Incubation-condition		Result	Conforms
44-52 hours	30 ±1 °C	No contamination	C

Growth Properties on next page.

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Growth Properties

- **Incubation-condition : 40-72 hours 32,5 ±2,5 °C Aerobic**

Micro-organisms	Strain	Method*	Electivity**	CFU	CFU-ref	Result	Crit.	Conf.
Staphylococcus aureus	ATCC 6538 WDCM 00032 NCTC 10788	05	cream	66	57	1.16	≥0.7	C
Bacillus subtilis	ATCC 6633 WDCM 00003 NCTC 10400	05	cream	44	43	1.02	≥0.7	C
Pseudomonas aeruginosa	ATCC 9027 WDCM 00026	05	green	43	45	0.96	≥0.7	C
Aspergillus brasiliensis	ATCC 16404 WDCM 00053	05	white/black	14	15	0.93	≥0.7	C
Candida albicans	ATCC 10231 WDCM 00054	05	white	89	72	1.24	≥0.7	C

* Method 05 = TV 5.05 Non-selective enumeration agar ; Growth promotion test (acc European Pharmacopoeia)
Result: Productivity-Ratio (cfu test / cfu ref) ; inoculum <=100 cfu

** Electivity denotes the properties of the colony and/or their effect on the morphological characteristics of the medium
CFU denotes Colony Forming Units counted on batch. CFU-ref denotes Colony Forming Units counted on reference plate.
n.a = Not Applicable. Crit.= Criterium C = Conforms
Do not expose the product to intense light.
The test results reported on this quality control certificate were obtained from a sample of the batch.

Xebios Diagnostics Group is certified according to DIN EN ISO 9001. Our microbiological quality control is carried out by our EN ISO/IEC 17025 accredited laboratory (RVA Registration no: RvA-L 614) at Tritium Microbiologie BV, Eindhoven.
Tritium Microbiologie BV is part of Xebios Diagnostics Group.
This laboratory certificate is generated electronically and valid without a signature.
Results were obtained from laboratory report R20221000091.

Release Date :
11-10-2022
(dd-mm-yyyy)

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