

QUALITY CONTROL CERTIFICATE



Product name : Tryptone Soya Agar
Abbreviation : TSA
Article code : T400.76.0250.131
Filling Volume : 250 ml

Batch number : 20220600330
Storage temp. : 2-25 °C
Expiration date : 19-06-2023
(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 performance standards.

Physical Properties

Test	Criterion	Result	Conforms
pH	7.3 ± 0.2	7.1	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	84	80	1.05	≥ 0.7	C
Bacillus subtilis	ATCC 6633 WDCM 00003 NCTC 10400	05	cream	51	67	0.76	≥ 0.7	C
Pseudomonas aeruginosa	ATCC 9027 WDCM 00026	05	green	122	98	1.24	≥ 0.7	C
Aspergillus brasiliensis	ATCC 16404 WDCM 00053	05	white/black	15	15	1.00	≥ 0.7	C
Candida albicans	ATCC 10231 WDCM 00054	05	white	28	38	0.74	≥ 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 is certified according to DIN EN ISO 9001. Our microbiological quality control is carried out by a microbiological laboratory accredited according to EN ISO/IEC 17025. (RvA Registration no.: RvA-L 614).
This laboratory certificate is generated electronically and valid without a signature.
Results were obtained from laboratory report R20220600330.

Release Date :
24-06-2022
(dd-mm-yyyy)

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