

# QUALITY CONTROL CERTIFICATE



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

Batch number : 20230100118  
Storage temp. : 2-25 °C  
Expiration date : 05-01-2024  
(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	7.2	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.**

# Quality Control Certificate

Product name : Tryptone Soya Agar  
Abbreviation : TSA  
Article code : T400.76.0250

Batch number : 20230100118  
Storage temp. : 2-25 °C  
Expiration date : 05-01-2024

## 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	05	cream	94	81	1.16	≥ 0.7	C
	WDCM 00032							
	NCTC 10788							
Bacillus subtilis	ATCC 6633	05	cream	92	79	1.16	≥ 0.7	C
	WDCM 00003							
	NCTC 10400							
Pseudomonas aeruginosa	ATCC 9027	05	green	55	44	1.25	≥ 0.7	C
	WDCM 00026							
Aspergillus brasiliensis	ATCC 16404	05	white/black	25	23	1.09	≥ 0.7	C
	WDCM 00053							
Candida albicans	ATCC 10231	05	white	64	80	0.80	≥ 0.7	C
	WDCM 00054							

\* 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 R20230100118.

Release Date :  
11-01-2023  
(dd-mm-yyyy)

Crit.version :3 Document ID : C20230100118