

# QUALITY CONTROL CERTIFICATE



Product name : Tryptose Sulfite Cycloserine Agar (TSC Agar) 10 PCS; Petri D  
Abbreviation : TSC  
Article code : 40-1241  
Filling Volume : 18 ml

Batch number : 12410345  
Storage temp. : 4-10 °C  
Expiration date : 06-10-2022  
(for sealed enclosure as dd-mm-yyyy )

## ***Typical Formula***

*Ingredients in gram per litre of nutrient medium \* :*

Peptone	15
Soya meal peptone	5
Yeast extract	5
L-Sodium disulfite anhydrous (sodium metabisulfite anhydrous)	1
Ammonium iron (III) citrate	1
Cycloserine	0.4
Agar	12

*\* Adjusted as required to meet performance standards.*

## ***Physical Properties***

Test	Criterion	Result	Conforms
pH	7.6 ± 0.2	7.6	C
Color	yellowish	yellowish	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 : Tryptose Sulfite Cycloserine Agar (TSC Agar) 10 PCS; Petri D  
Abbreviation : TSC Batch number : 12410345  
Article code : 40-1241 Storage temp. : 4-10 °C  
Expiration date : 06-10-2022

## Growth Properties

• Incubation-condition : 18-24 hours 44 ±1 °C Anaerobic

Micro-organisms	Strain	Method*	Electivity**	CFU	CFU-ref	Result	Crit.	Conf.
Clostridium perfringens	ATCC 13124	06	black	122	112	1.09	≥ 0.5	C
	WDCM 00007							
	NCTC 6125							
Bacillus subtilis	ATCC 6633	07	n.a.	n.a.	51000	0	≤ 0	C
	WDCM 00003							
	NCTC 10400							
Clostridium perfringens	ATCC 12916	08	brown-yellow	n.a.	7700	2	≥ 1	C
	WDCM 00080							
	NCTC 8238							

- \* Method 06 = TV 5.06 Selective enumeration agar ; Productivity of solid media ; quantitative method (acc. ISO 11133)  
Result: Productivity-Ratio (cfu test / cfu ref) ; inoculum 10<sup>2</sup> cfu
- \* Method 07 = TV 5.07 Selective enumeration agar ; Selectivity of solid media ; qualitative method (acc. ISO 11133)  
Result: Growth ; 2 = good, 1 = slight, 0 = no growth ; inoculum 10<sup>4</sup>-10<sup>6</sup> cfu
- \* Method 08 = TV 5.08 Selective enumeration agar ; Specificity of solid media ; qualitative method (acc. ISO 11133)  
Result: Growth ; 2 = good, 1 = slight, 0 = no growth ; inoculum 10<sup>3</sup>-10<sup>4</sup> 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  
Keep protected from light and at a constant temperature.  
The test results reported on this quality control certificate were obtained from a sample of the batch.  
After inoculating the plates are overlaid with medium.

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 X20220701724.

Release Date :  
06-07-2022  
(dd-mm-yyyy)

Crit.version :5 Document ID : Q20220701724