

# QUALITY CONTROL CERTIFICATE



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

Batch number : 12410318  
Storage temp. : 4-10 °C  
Expiration date : 17-02-2022  
*(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

## ***Sterility Check***

Incubation-condition	Result	Conforms
44-52 hours 30 ±1 °C	Sterile	C

***Growth Properties on next page.***

# Quality Control Certificate

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## 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	87	84	1.04	≥ 0.5	C
	WDCM 00007							
	NCTC 6125							
Bacillus subtilis	ATCC 6633	07	n.a.	n.a.	15000	0	≤ 0	C
	WDCM 00003							
	NCTC 10400							
Clostridium perfringens	ATCC 12916	08	brown-yellow	n.a.	2000	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.

C = Conforms X = Does not conform - = Not tested

Keep protected from light and at a constant temperature.

The test results reported on this report were obtained from a sample of the batch submitted to the laboratory.

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 X20211100903.

Release Date :  
17-11-2021  
(dd-mm-yyyy)

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