

# QUALITY CONTROL CERTIFICATE



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

Batch number : 12410377  
Storage temp. : 4-10 °C  
Expiration date : 21-07-2023  
(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	yellow	yellow	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 : 18-24 hours 44 ±1 °C Anaerobic

Micro-organisms	Strain	Method*	Electivity**	CFU	CFU-ref	Result	Crit.	Conf.
Clostridium perfringens	ATCC 13124	06	black	65	90	0.72	≥ 0.5	C
	WDCM 00007							
	NCTC 6125							
Bacillus subtilis	ATCC 6633	07	n.a.	n.a.	45000	0	≤ 0	C
	WDCM 00003							
	NCTC 10400							
Clostridium perfringens	ATCC 12916	08	brown-yellow	n.a.	3500	1	≥ 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 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 X20230401600.

Release Date :  
01-05-2023  
(dd-mm-yyyy)

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