

QUALITY CONTROL CERTIFICATE



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

Batch number : 12410348
Storage temp. : 4-10 °C
Expiration date : 10-11-2022
(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	7.7	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

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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	97	109	0.89	≥ 0.5	C
	WDCM 00007							
	NCTC 6125							
Bacillus subtilis	ATCC 6633	07	n.a.	n.a.	33000	0	≤ 0	C
	WDCM 00003							
	NCTC 10400							
Clostridium perfringens	ATCC 12916	08	brown-yellow	n.a.	3400	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 10² 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 10⁴-10⁶ 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 10³-10⁴ 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 X20220800704.

Release Date :
10-08-2022
(dd-mm-yyyy)

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