

# QUALITY CONTROL CERTIFICATE



Product name : XLD  
Abbreviation : XLD  
Article code : 40-1170  
Filling Volume : 18 ml

Batch number : 20220200248  
Storage temp. : 4-25 °C  
Expiration date : 23-05-2022  
*(for sealed enclosure as dd-mm-yyyy)*

## Typical Formula

Ingredients per litre of nutrient medium \* :

Yeast extract	3	gr
L-lysine	5	gr
Xylose	3.5	gr
Lactose-monohydrate	7.5	gr
Sucrose	7.5	gr
Sodium desoxycholate	2.5	gr
Sodium chloride	5	gr
Sodium thiosulfate	6.8	gr
Ferric ammonium citrate	0.8	gr
Phenol red	0.08	gr
Agar	13.5	gr
Demiwater	1000	ml

\* Adjusted as required to meet performance standards.

## Physical Properties

Test	Criterium	Result	Conforms
pH	7.4 ± 0.2	7.5	C
Color	red	red	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.

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## Growth Properties

### • Incubation-condition : 16-19 hours 32,5 ±2,5 °C Aerobic

Micro-organisms	Strain	Method*	Electivity**	CFU	CFU-ref	Result	Crit.	Conf.
Salmonella Typhimurium	ATCC 14028	09	red with black centre	65	65	1.00	≥0.5	C
	WDCM 00031							
	NCTC 12023							
Staphylococcus aureus	ATCC 6538	10	n.a.	0	9200	0.00	≤0	C
	WDCM 00032							
	NCTC 10788							

### • Incubation-condition : 21-27 hours 37±1 °C Aerobic

Micro-organisms	Strain	Method*	Electivity**	CFU	CFU-ref	Result	Crit.	Conf.
Escherichia coli	ATCC 8739	17	yellow	n.a.	16000	1	≤1	C
	WDCM 00012							
	NCTC 12923							
Enterococcus faecalis	ATCC 29212	17	n.a.	n.a.	27000	0	≤0	C
	WDCM 00087							
	NCTC 12697							
Salmonella Enteritidis	ATCC 13076	16	red with black centre	n.a.	3000	2	≥2	C
	WDCM 00030							
Salmonella Typhimurium	ATCC 14028	16	red with black centre	n.a.	8600	2	≥2	C
	WDCM 00031							
	NCTC 12023							

\* Method 09 = TV 5.09 Selective enumeration agar ; Growth promotion test (acc European Pharmacopoeia)  
 Result: Productivity-Ratio (cfu test / cfu ref) ; inoculum <=100 cfu

\* Method 10 = TV 5.10 Selective enumeration agar ; Inhibition test (acc European Pharmacopoeia)  
 Result: Productivity-Ratio (cfu test / cfu ref) ; inoculum >=100 cfu

\* Method 16 = TV 5.16 selective agar ; Productivity of solid media ; qualitative method (acc ISO 11133)  
 Result: Growth ; 2 = good, 1 = slight, 0 = no growth ; inoculum 10^3-10^4 cfu

\* Method 17 = TV 5.17 selective agar ; Selectivity of solid media ; qualitative method (acc ISO 11133)  
 Result: Growth ; 2 = good, 1 = slight, 0 = no growth ; inoculum 10^4-10^6 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

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 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 R20220200248.

Release Date :  
 17-02-2022  
 (dd-mm-yyyy)