



Certificate of Analysis

1.05465.0500 MacCONKEY agar for the isolation of Salmonella, Shigella and coliform bacteria (According harm. EP/USP/JP)
Batch VM852565

	Spec. Values	Batch Values
Appearance (clearness)	clear	clear
Appearance (color)	dark red	dark red
pH-value (25 °C)	6.9 - 7.3	7.1

Typical composition (g/litre): Peptone from gelatine 17.0; Peptone from casein 1.5; Peptone from meat 1.5; Sodium chloride 5.0; Lactose 10.0; Bile salt mixture 1.5; Neutralred 0.03; Crystal violet 0.001; Agar-Agar 13.5.

Growth promotion test in accordance with the harmonised method of EP, USP and JP.

	Spec. Values	Batch Values
Inoculum on reference medium (Escherichia coli ATCC 8739 (WDCM 00012))	10 - 100	48
Inoculum on reference medium (Salmonella typhimurium ATCC 14028 (WDCM 00031))	10 - 100	39
Inoculum on reference medium (Salmonella dublin ATCC 15480)	10 - 100	50
Inoculum on reference medium (Shigella sonnei ATCC 11060)	10 - 100	30
Inoculum on reference medium (Proteus mirabilis ATCC 29906 (WDCM 00023))	10 - 100	66
Inoculum (Bacillus cereus ATCC 11778 (WDCM 00001))	> 10E+04	> 10E+04
Inoculum (Staphylococcus aureus ATCC 6538 (WDCM 00032))	> 10E+04	> 10E+04
Inoculum (Enterococcus hirae ATCC 8043 (WDCM 00089))	> 10E+04	> 10E+04
Inoculum (Enterococcus faecalis ATCC 19433 (WDCM 00009))	> 10E+04	> 10E+04
Inoculum (Enterococcus faecalis ATCC 29212 (WDCM 00087))	> 10E+04	> 10E+04
Colony count (Escherichia coli ATCC 8739 (WDCM 00012))		32
Colony count (Salmonella typhimurium ATCC 14028 (WDCM 00031))		30
Colony count (Salmonella dublin ATCC 15480)		22
Colony count (Shigella sonnei ATCC 11060)		27
Colony count (Proteus mirabilis ATCC 29906 (WDCM 00023))		68
Recovery on test medium (Escherichia coli ATCC 8739 (WDCM 00012))	≥ 50 %	67 %
Recovery on test medium (Salmonella typhimurium ATCC 14028 (WDCM 00031))	≥ 30 %	77 %
Recovery on test medium (Salmonella dublin ATCC 15480)	≥ 30 %	44 %
Recovery on test medium (Shigella sonnei ATCC 11060)	≥ 30 %	90 %

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Recovery on test medium (Proteus mirabilis ATCC 29906 (WDCM 00023))	≥ 30	%	103	%
Colony color (Escherichia coli ATCC 8739 (WDCM 00012))	red		red	
Colony color (Salmonella typhimurium ATCC 14028 (WDCM 00031))	colourless		colourless	
Colony color (Salmonella dublin ATCC 15480)	colourless		colourless	
Colony color (Shigella sonnei ATCC 11060)	colourless		colourless	
Colony color (Proteus mirabilis ATCC 29906 (WDCM 00023))	colourless		colourless	
Medium color (Escherichia coli ATCC 8739 (WDCM 00012))	red		red	
Medium color (Salmonella typhimurium ATCC 14028 (WDCM 00031))	yellowish		yellowish	
Medium color (Salmonella dublin ATCC 15480)	yellowish		yellowish	
Medium color (Shigella sonnei ATCC 11060)	yellowish		yellowish	
Medium color (Proteus mirabilis ATCC 29906 (WDCM 00023))	yellowish		yellowish	
Precipitate (Escherichia coli ATCC 8739 (WDCM 00012))	+		+	
Growth (Bacillus cereus ATCC 11778 (WDCM 00001))	none		none	
Growth (Staphylococcus aureus ATCC 6538 (WDCM 00032))	none		none	
Growth (Enterococcus hirae ATCC 8043 (WDCM 00089))	none		none	
Growth (Enterococcus faecalis ATCC 19433 (WDCM 00009))	none		none	
Growth (Enterococcus faecalis ATCC 29212 (WDCM 00087))	none		none	

Incubation: 18 hrs.; 30-35°C; Gram-positive strains 24 hrs.

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