



Certificate of Analysis

1.05404.0500 Mannitol salt phenol-red agar for microbiology (According harm. EP/USP/
JP)
Batch VM870504

	Spec. Values	Batch Values
Appearance (clearness)	clear	clear
Appearance (color)	red	red
pH-value (25 °C)	7.2 - 7.6	7.4
Solidification behaviour (2 hrs., 45 °C)	liquid	liquid

Typical composition (g/litre): Peptone from casein 5.0; Enzymatic digest of animal tissue 5.0; Beef extract 1.0; Sodium chloride 75.0; D(-) Mannitol 10.0; Phenol red 0.025; Agar-Agar 12.0.

	Spec. Values	Batch Values
Growth promotion test in accordance with the harmonised method of EP, USP and JP.		
Inoculum on reference medium (Staphylococcus aureus ATCC 6538 (WDCM 00032))	10 - 100	81
Inoculum on reference medium (Staphylococcus aureus ATCC 25923 (WDCM 00034))	10 - 100	65
Inoculum on reference medium (Staphylococcus epidermidis ATCC 12228 (WDCM 00036))	10 - 100	46
Inoculum on reference medium (Staphylococcus epidermidis ATCC 14990 (WDCM 00132))	10 - 100	46
Inoculum on reference medium (Proteus mirabilis ATCC 12453)	10 - 100	84
Inoculum on reference medium (Escherichia coli ATCC 8739 (WDCM 00012))	≥ 100	≥ 100
Colony count (Staphylococcus aureus ATCC 6538 (WDCM 00032))		75
Colony count (Staphylococcus aureus ATCC 25923 (WDCM 00034))		64
Colony count (Staphylococcus epidermidis ATCC 12228 (WDCM 00036))		58
Colony count (Staphylococcus epidermidis ATCC 14990 (WDCM 00132))		51
Colony count (Proteus mirabilis ATCC 12453)		30
Recovery on test medium (Staphylococcus aureus ATCC 6538 (WDCM 00032))	≥ 50 %	93 %
Recovery on test medium (Staphylococcus aureus ATCC 25923 (WDCM 00034))	≥ 50 %	98 %
Recovery on test medium (Staphylococcus epidermidis ATCC 12228 (WDCM 00036))	%	126 %
Recovery on test medium (Staphylococcus epidermidis ATCC 14990 (WDCM 00132))	%	111 %
Recovery on test medium (Proteus mirabilis ATCC 12453)	%	36 %
Color change to yellow (Staphylococcus aureus ATCC 6538 (WDCM 00032))	+	+

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Color change to yellow (Staphylococcus aureus ATCC 25923 (WDCM 00034))	+	+
Color change to yellow (Staphylococcus epidermidis ATCC 12228 (WDCM 00036))	-	-
Color change to yellow (Staphylococcus epidermidis ATCC 14990 (WDCM 00132))	-	-
Color change to yellow (Proteus mirabilis ATCC 12453)	-	-
Growth (Escherichia coli ATCC 8739 (WDCM 00012))	inhibited	passes test

Incubation: 18-72 hrs.; 30-35°C; S.aureus max. 18 hrs. (colour change: 24 hrs.); E.coli at least 72 hrs.

The information above is current at this time of publication and is subject to change without notice (except for customers holding a change control agreement with our company). The information/format can be altered at any time and in any way if internal company matters or Standard Regulations so say so.

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