



# Certificate of Analysis

1.05396.0500 MacCONKEY broth for microbiology (According harm. EP/USP/JP)  
Batch VM1152796

	Spec. Values	Batch Values
Appearance (clearness)	clear	clear
Appearance (color)	violet	violet
pH-value (25 °C)	7.1 - 7.5	7.1

Typical composition (g/litre): Peptone from Gelatine 20.0; Lactose 10.0; Ox bile, dried 5.0; Bromcresol purple 0.01.

	Spec. Values	Batch Values
Growth promotion test in accordance with the harmonised method of EP, USP and JP.		
Inoculum on reference medium (Escherichia coli ATCC 25922 (WDCM 00013))	10 - 100	74
Inoculum on reference medium (Escherichia coli ATCC 8739 (WDCM 00012))	10 - 100	35
Inoculum on reference medium (Enterobacter cloacae ATCC 13047 (WDCM 00083))	10 - 100	66
Inoculum on reference medium (Klebsiella pneumoniae ATCC 13883 (WDCM 00097))	10 - 100	28
Inoculum on reference medium (Proteus mirabilis ATCC 14273)	10 - 100	80
Inoculum on reference medium (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))	10 - 100	91
Inoculum on reference medium (Staphylococcus aureus ATCC 6538 (WDCM 00032))	≥ 100	≥ 100
Growth (Escherichia coli ATCC 25922 (WDCM 00013))	good to very good	passes test
Growth (Escherichia coli ATCC 8739 (WDCM 00012))	good to very good	passes test
Growth (Enterobacter cloacae ATCC 13047 (WDCM 00083))	good to very good	passes test
Growth (Klebsiella pneumoniae ATCC 13883 (WDCM 00097))	good to very good	passes test
Growth (Proteus mirabilis ATCC 14273)	good to very good	passes test
Growth (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))	medium to very good	passes test
Growth at 42-44 °C (Escherichia coli ATCC 8739 (WDCM 00012))	good to very good	passes test
Growth at 42-44 °C (Staphylococcus aureus ATCC 6538 (WDCM 00032))	none	passes test
Color change to yellow (Escherichia coli ATCC 25922 (WDCM 00013))	+	+
Color change to yellow (Escherichia coli ATCC 8739 (WDCM 00012))	+	+
Color change to yellow (Enterobacter cloacae ATCC 13047 (WDCM 00083))	+	+
Color change to yellow (Klebsiella pneumoniae ATCC 13883 (WDCM 00097))	+	+

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Color change to yellow (Proteus mirabilis ATCC 14273)	-	-
Color change to yellow (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))	-	-
Gas (Escherichia coli ATCC 25922 (WDCM 00013))	+	+
Gas (Escherichia coli ATCC 8739 (WDCM 00012))	+	+
Gas (Enterobacter cloacae ATCC 13047 (WDCM 00083))	+	+
Gas (Klebsiella pneumoniae ATCC 13883 (WDCM 00097))	+	+
Gas (Proteus mirabilis ATCC 14273)	-	-
Gas (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))	-	-

Incubation: 48 hrs. at 30-35°C; E.coli ATCC 8739 also 24 hrs. at 42-44°C; S.aureus: 48 hrs. at 42-44°C

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Dr. Lukas Mechler

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Responsible laboratory manager quality control

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