



Certificate of Analysis

1.00416.0500 R2A Agar for microbiology
Batch VM1137016

	Spec. Values	Batch Values
Appearance (clearness)	clear to slightly turbid	slightly turbid
Appearance (color)	yellowish	yellowish
pH-value (25 °C)	7.0 - 7.4	7.1

Typical composition (g/l): Yeast extract 0.5; Proteose Peptone 0.5; Casein hydrolysate 0.5; Glucose 0.5; Starch soluble 0.5; Sodium pyruvate 0.3; di-Potassium hydrogen phosphate 0.3; Magnesium sulfate anhydrous 0.024; Agar-agar 15.0.

	Spec. Values	Batch Values
Growth promotion test in accordance with the European Pharmacopeia.		
Inoculum 35°C / 24h (Escherichia coli ATCC 8739 (WDCM 00012))	10 - 100	76
Inoculum 35°C / 24h (Pseudomonas aeruginosa ATCC 9027 (WDCM 00026))	10 - 100	69
Inoculum 35°C / 24h (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))	10 - 100	84
Inoculum 35°C / 24h (Staphylococcus aureus ATCC 6538 (WDCM 00032))	10 - 100	77
Inoculum 35°C / 24h (Bacillus subtilis ATCC 6633 (WDCM 00003))	10 - 100	69
Colony count 35°C/24 h (Escherichia coli ATCC 8739 (WDCM 00012))		83
Colony count 35°C/24 h (Pseudomonas aeruginosa ATCC 9027 (WDCM 00026))		55
Colony count 35°C/24 h (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))		80
Colony count 35°C/24 h (Staphylococcus aureus ATCC 6538 (WDCM 00032))		84
Colony count 35°C/24 h (Bacillus subtilis ATCC 6633 (WDCM 00003))		72
Recovery rate 35 °C/24 h (Escherichia coli ATCC 8739 (WDCM 00012))	≥ 70 %	109 %
Recovery rate 35 °C/24 h (Pseudomonas aeruginosa ATCC 9027 (WDCM 00026))	≥ 70 %	80 %
Recovery rate 35 °C/24 h (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))	≥ 70 %	95 %
Recovery rate 35 °C/24 h (Staphylococcus aureus ATCC 6538 (WDCM 00032))	≥ 70 %	109 %
Recovery rate 35 °C/24 h (Bacillus subtilis ATCC 6633 (WDCM 00003))	≥ 70 %	104 %
Inoculum 20-25°C / 72h (Escherichia coli ATCC 8739 (WDCM 00012))	10 - 100	80
Inoculum 20-25°C / 72h (Pseudomonas aeruginosa ATCC 9027 (WDCM 00026))	10 - 100	90
Inoculum 20-25°C / 72h (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))	10 - 100	82
Inoculum 20-25°C / 72h (Staphylococcus aureus ATCC 6538 (WDCM 00032))	10 - 100	66

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Inoculum 20-25°C / 72h (Bacillus subtilis ATCC 6633 (WDCM 00003))	10 - 100	33
Inoculum 20-25°C / 72h (Pseudomonas fluorescens ATCC 17386)	10 - 100	30
Inoculum 20-25°C / 72h (Methylobacterium extorquens NBRC 15911)	10 - 100	77
Colony count 20-25°C/72 h (Escherichia coli ATCC 8739 (WDCM 00012))		81
Colony count 20-25°C/72 h (Pseudomonas aeruginosa ATCC 9027 (WDCM 00026))		92
Colony count 20-25°C/72 h (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))		60
Colony count 20-25°C/72 h (Staphylococcus aureus ATCC 6538 (WDCM 00032))		48
Colony count 20-25°C/72 h (Bacillus subtilis ATCC 6633 (WDCM 00003))		30
Colony count 20-25°C/72 h (Pseudomonas fluorescens ATCC 17386)		25
Colony count 20-25°C/72 h (Methylobacterium extorquens NBRC 15911)		70
Recovery rate 20-25 °C/72 h (Escherichia coli ATCC 8739 (WDCM 00012))	≥ 70 %	101 %
Recovery rate 20-25 °C/72 h (Pseudomonas aeruginosa ATCC 9027 (WDCM 00026))	≥ 70 %	102 %
Recovery rate 20-25 °C/72 h (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))	≥ 70 %	73 %
Recovery rate 20-25 °C/72 h (Staphylococcus aureus ATCC 6538 (WDCM 00032))	≥ 70 %	73 %
Recovery rate 20-25 °C/72 h (Bacillus subtilis ATCC 6633 (WDCM 00003))	≥ 70 %	91 %
Recovery rate 20-25 °C/72 h (Pseudomonas fluorescens ATCC 17386)	≥ 50 %	83 %
Recovery rate 20-25 °C/72 h (Methylobacterium extorquens NBRC 15911)	≥ 50 %	91 %

Incubation: 24 hrs.; 35°C; aerobic and 72 hrs.; 20-25 °C; aerobic.

Date of release (DD.MM.YYYY) 30.07.2025
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Responsible laboratory manager quality control

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