



Specification

1.00416.0500 R2A Agar for microbiology

Specification

Appearance (clearness)	clear to slightly turbid
Appearance (color)	yellowish
pH-value (25 °C)	7.0 - 7.4

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.

Specification

Growth promotion test in accordance with the European Pharmacopeia.

Inoculum 35°C / 24h (Escherichia coli ATCC 8739 (WDCM 00012))	10 - 100	
Inoculum 35°C / 24h (Pseudomonas aeruginosa ATCC 9027 (WDCM 00026))	10 - 100	
Inoculum 35°C / 24h (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))	10 - 100	
Inoculum 35°C / 24h (Staphylococcus aureus ATCC 6538 (WDCM 00032))	10 - 100	
Inoculum 35°C / 24h (Bacillus subtilis ATCC 6633 (WDCM 00003))	10 - 100	
Colony count 35°C/24 h (Escherichia coli ATCC 8739 (WDCM 00012))		
Colony count 35°C/24 h (Pseudomonas aeruginosa ATCC 9027 (WDCM 00026))		
Colony count 35°C/24 h (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))		
Colony count 35°C/24 h (Staphylococcus aureus ATCC 6538 (WDCM 00032))		
Colony count 35°C/24 h (Bacillus subtilis ATCC 6633 (WDCM 00003))		
Recovery rate 35 °C/24 h (Escherichia coli ATCC 8739 (WDCM 00012))	≥ 70	%
Recovery rate 35 °C/24 h (Pseudomonas aeruginosa ATCC 9027 (WDCM 00026))	≥ 70	%
Recovery rate 35 °C/24 h (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))	≥ 70	%
Recovery rate 35 °C/24 h (Staphylococcus aureus ATCC 6538 (WDCM 00032))	≥ 70	%
Recovery rate 35 °C/24 h (Bacillus subtilis ATCC 6633 (WDCM 00003))	≥ 70	%
Inoculum 20-25°C / 72h (Escherichia coli ATCC 8739 (WDCM 00012))	10 - 100	
Inoculum 20-25°C / 72h (Pseudomonas aeruginosa ATCC 9027 (WDCM 00026))	10 - 100	
Inoculum 20-25°C / 72h (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))	10 - 100	
Inoculum 20-25°C / 72h (Staphylococcus aureus ATCC 6538 (WDCM 00032))	10 - 100	

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Inoculum 20-25°C / 72h (Bacillus subtilis ATCC 6633 (WDCM 00003))	10 - 100	
Inoculum 20-25°C / 72h (Pseudomonas fluorescens ATCC 17386)	10 - 100	
Inoculum 20-25°C / 72h (Methylobacterium extorquens NBRC 15911)	10 - 100	
Colony count 20-25°C/72 h (Escherichia coli ATCC 8739 (WDCM 00012))		
Colony count 20-25°C/72 h (Pseudomonas aeruginosa ATCC 9027 (WDCM 00026))		
Colony count 20-25°C/72 h (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))		
Colony count 20-25°C/72 h (Staphylococcus aureus ATCC 6538 (WDCM 00032))		
Colony count 20-25°C/72 h (Bacillus subtilis ATCC 6633 (WDCM 00003))		
Colony count 20-25°C/72 h (Pseudomonas fluorescens ATCC 17386)		
Colony count 20-25°C/72 h (Methylobacterium extorquens NBRC 15911)		
Recovery rate 20-25 °C/72 h (Escherichia coli ATCC 8739 (WDCM 00012))	≥ 70	%
Recovery rate 20-25 °C/72 h (Pseudomonas aeruginosa ATCC 9027 (WDCM 00026))	≥ 70	%
Recovery rate 20-25 °C/72 h (Pseudomonas aeruginosa ATCC 27853 (WDCM 00025))	≥ 70	%
Recovery rate 20-25 °C/72 h (Staphylococcus aureus ATCC 6538 (WDCM 00032))	≥ 70	%
Recovery rate 20-25 °C/72 h (Bacillus subtilis ATCC 6633 (WDCM 00003))	≥ 70	%
Recovery rate 20-25 °C/72 h (Pseudomonas fluorescens ATCC 17386)	≥ 50	%
Recovery rate 20-25 °C/72 h (Methylobacterium extorquens NBRC 15911)	≥ 50	%

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

Stefanie Fischer

Responsible laboratory manager quality control

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