Wilkins Chalgren Agar

TN1292 500 g

Intended use
Suitable for the growth of anaerobes and can be used for antimicrobial susceptibility testing. No IVD - The laboratory diagnostic testing of human samples has not been evaluated.

Form
Powder

Colour
Bright beige

Storage
Dry, tightly closed, at 10…30 °C.

Shelf life
3 years

Directions
Suspend 45 g in 1 litre destilled water, bring to the boil to dissolve completely. Sterilise by autoclaving at 121 °C for 15 minutes and cool to 45...50 °C and pour into Petri dishes.

Typical formula

Component	g/l
Tryptone	10.0
Peptone	10.0
Yeast extract	5.0
Glucose	1.0
Sodium chloride	5.0
L-Arginine	1.0
Sodium pyruvate	1.0
Menadione	0.0005
Hemin	0.005
Agar	12.0

Final pH at 25 °C
7.1 ± 0.2

Microbiological quality control
Incubation: anaerobically, 40-48 h at 35 ± 2°C

Test strain	Inoculum (CFU)*	Recovery rate in % test / inoculum	Colony morphology
Bacteroides fragilis ATCC 25285	80 - 100	≥ 70 %	pale to white
Bacteroides thetaiotamicron ATCC 29741	80 - 100	≥ 70 %	withish, slight swarming
Clostridium perfringens ATCC 13124 WDCM 00007	80 - 100	≥ 70 %	withish, slight swarming
Clostridium sporogenes ATCC 19404 WDCM 00008	80 - 100	≥ 70 %	withish, slight swarming

*) Reference medium used: Blood Agar

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