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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
ANAEROBE BASAL AGAR CM0972		

ANAEROBE BASAL AGAR

CM0972

Typical Formula*

	grams per litre
Peptone	16.1
Yeast extract	7.0
Sodium chloride	5.0
Soluble starch	1.0
Glucose	1.0
Sodium pyruvate	1.0
L-Arginine	1.0
Sodium succinate	0.5
Sodium bicarbonate	0.4
Iron (III) pyrophosphate	0.5
L-Cysteine hydrochloride	0.25
Dithiothreitol	0.25
Haemin	0.005
Menadione	0.0005
Agar	12.0

* adjusted as required to meet performance standards

Directions

Suspend 46g in 1 litre of distilled water. Bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C and enrich with 5% v/v Horse Blood (SR0050). Mix well and pour into sterile Petri dishes.

Physical Characteristics

Straw, free-flowing powder
 Colour on reconstitution – straw 2-3
 Moisture level - less than or equal to 7%
 pH - 6.8 ± 0.2 at 25°C
 Clarity - clear
 Gel strength - firm, comparable to 12.0g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Columbia Blood Base Agar enriched with 5% v/v horse blood

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Reactions after incubation at 37°C for 48 hours under anaerobic conditions

Medium is challenged with 10-100 colony-forming units

Peptostreptococcus anaerobius ATCC® 27337 0.25 -1.0mm straw mucoid colonies

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Bacteroides fragilis</i>	ATCC® 25285	1-1.5mm grey colonies
<i>Bacteroides thetaiotaomicron</i>	ATCC® 29148	1-1.5mm grey colonies
<i>Bacteroides vulgatus</i>	ATCC® 8482	1-1.5mm grey colonies
<i>Clostridium perfringens</i>	ATCC® 13124	7-9mm grey colonies
<i>Clostridium sphenoides</i>	ATCC® 19403	3-4mm grey colonies
<i>Clostridium tetani</i>	ATCC® 9441	Spreading, pale grey colonies
<i>Fusobacterium necrophorum</i>	ATCC® 25286	1-1.5mm grey colonies
<i>Fusobacterium nucleatum</i>	ATCC® 25586	Pinpoint-1mm straw colonies
<i>Peptoniphilus asaccharolyticus</i>	ATCC® 14963	0.75-1.25mm grey colonies
<i>Peptoniphilus indolicus</i>	ATCC® 29427	0.75-1.25mm grey colonies
<i>Prevotella loescheii</i>	ATCC® 15930	Pinpoint-0.5mm grey colonies
<i>Prevotella melaninogenicus</i>	ATCC® 25845	0.25-1mm grey colonies

For positive test strains inoculated using diminishing sweep technique, a satisfactory result is represented by growth in accordance with the specification.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire document	Update to new template	N/A	N/A
Entire document	Correction of typographical/minor errors. Addition of control media + result criteria.	Change control	BT-CC-1924