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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
CARY-BLAIR TRANSPORT MEDIUM CM0519		

CARY-BLAIR TRANSPORT MEDIUM

CM0519

Typical Formula*

	grams per litre
Di-sodium hydrogen phosphate	1.1
Sodium thioglycollate	1.5
Sodium chloride	5.0
Calcium chloride	0.09
Agar	5.6

* adjusted as required to meet performance standards

Directions

Suspend 13.3g in 1 litre of distilled water. Bring gently to the boil to dissolve completely. Distribute into small, screw-cap bottles. Screw down the caps on the completely filled bottles. Sterilize by immersing in free steam for 15 minutes. Allow to cool and tighten the screw caps to prevent water loss. DO NOT AUTOCLAVE.

Physical Characteristics

Off white, free-flowing powder
 Colour on reconstitution - colourless
 Moisture level - less than or equal to 7%
 pH - 8.4 ± 0.2 at 25°C
 Clarity - clear
 Gel strength - semi solid, comparable to 5.6g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

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

Medium is challenged with 1E+03 to 5E+03 colony-forming units

Reactions after 2 days storage in the medium at 20 ± 2°C


<i>Streptococcus pneumoniae</i>	ATCC® 6303	Grey/green mucoid colonies
<i>Streptococcus pyogenes</i>	ATCC® 19615	White/grey colonies, β haemolysis

Reactions after 3 days storage in the medium at 20 ± 2°C

<i>Shigella sonnei</i>	ATCC® 25931	Grey colonies
<i>Vibrio parahaemolyticus</i>	NCTC11344	Grey colonies
<i>Vibrio cholerae</i>	ATCC® 14035	Grey colonies

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Determine the viability of the test organisms using 200µl of inoculum on cotton wool swabs after 2 & 3 days storage in the medium at $20 \pm 2^{\circ}\text{C}$. Establish the viability on blood agar before and after immersion in the medium. There shall be no loss of viability as shown on blood agar after 24-48 hours incubation at 37°C .

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new document format and correction of typographical/minor errors.	Change control	BT-CC-1931
Microbiological Characteristics	Addition of Control Medium and Result Criteria.	Change control	BT-CC-1931