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<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>GC AGAR BASE CM0367</b>		

## GC AGAR BASE

CM0367

### Typical Formula\*

	grams per litre	
Special peptone		15.0
Corn starch		1.0
Sodium chloride		5.0
Di-potassium hydrogen phosphate		4.0
Potassium dihydrogen phosphate		1.0
Agar		10.0

\* adjusted as required to meet performance standards

### Directions

Suspend 18g in 240ml of distilled water. Bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C. To prepare derivatives of Thayer-Martin or New York City Medium, see the instructions leaflet within the appropriate Selective Supplement box.

### Physical Characteristics

Straw, free-flowing powder  
 Colour on reconstitution - straw 2-3  
 Moisture level - less than 7%  
 pH 7.2 ± 0.2 at 25°C  
 Clarity - hazy due to presence of starch  
 Gel strength - firm, comparable to 10.0g/litre of agar

### Microbiological Tests Using Optimum Inoculum Dilution


Control Medium: GC Agar Base with the addition of Vitox and Soluble Haemoglobin

Tested with the addition of Vitox SR0090 and Soluble Haemoglobin Powder LP0053

### Reactions after incubation at 37°C for 48 hours in 10% CO2 atmosphere

<i>Neisseria gonorrhoeae</i>	ATCC®19424	0.5-3mm straw/brown colonies
<i>Neisseria meningitidis</i>	ATCC®13077	0.5-3mm straw/brown colonies
<i>Neisseria meningitidis</i>	ATCC®13090	0.5-3mm straw/brown colonies

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

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**Testing performed in accordance with current CLSI M22 A**

**Reactions after incubation at 35°C for 48 hours in 10% CO2 atmosphere**

Medium is challenged with 10-100 colony-forming units

<i>Neisseria gonorrhoeae</i>	ATCC®43069	0.5-3mm straw/brown colonies
<i>Haemophilus influenzae</i>	ATCC®10211	0.5-5mm straw/brown colonies

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

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### Revision History

Section / Step	Description of Change	Reason for Change	Reference
Addition of CLSI M22 A section	Addition of CLSI M22 A testing	Change control	BT-CC-1695
Microbiological characteristics	Increase of colony size for <i>Haemophilus influenzae</i> ATCC®10211	Change control	BT-CC-2920