

Distribution: Central File

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**OXOID QUALITY ASSURANCE
PRODUCT SPECIFICATION**

SOLUBLE HAEMOGLOBIN POWDER**LP0053****Description**

A specially prepared haemoglobin. Used in media for the cultivation of gonococci. (For details of its application in Thayer Martin Medium and New York City Medium see directions for use on GC Agar Base (CM0367) label). Forms a solution when dissolved in warm distilled water at 2% w/v.

Directions

Suspend 18g of GC Agar Base (CM0367) 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 instruction leaflet within the appropriate Selective Supplement box.

Physical Characteristics

Red/brown, free-flowing granular powder
Colour on reconstitution - brown
pH (2% solution) 7.8 - 8.6 at 25°C
Clarity (2% solution) - opaque

Microbiological Characteristics

The haemoglobin shall be free from preservatives and antimicrobial agents.

Microbiological Tests Using Optimum Inoculum Dilution

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

Tested in G.C. Agar Base CM0367 with the addition of Vitox SR0090

**Reactions after incubation at 37°C for 24 hours in 10% CO₂ atmosphere
(for details, refer to Oxoid Manual - Atmosphere Generation Systems)**

Medium is challenged with 10-100 colony-forming units

| | | |
|-------------------------------|-------------|-----------------------------------|
| <i>Neisseria gonorrhoeae</i> | ATCC® 19424 | Pinpoint-1mm straw/brown colonies |
| <i>Neisseria meningitidis</i> | ATCC® 13090 | Pinpoint-1mm straw/brown colonies |

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® 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.