

HiCombi™ Dual Performance Trans Isolate Medium

LQ109

Intended use

Recommended for primary culturing and transport of *Neisseria meningitidis*, *Streptococcus pneumoniae* and *Haemophilus influenzae*. Combination of solid (7 ml) and liquid (20 ml) media in single bottle.

Composition**

Proprietary

Directions

1. Mark the dual performance bottle for sample detail.
2. Add 3–5 ml of sample suspension to the broth medium by opening bottle under aseptic conditions and after addition, replace the cap. Incubate at 37°C for 4–5 hour.
3. After 4–5 hours of incubation remove the bottle from incubator. Tilt the bottle horizontally whereby solid medium is submerged with liquid phase. Keep it for 30–40 seconds and again bring bottle to standing position. Transfer bottle to incubator and incubate further at 37°C for 18 to 20 hours. After incubation read the results as indicated.

Principle And Interpretation

This is diphasic medium developed for the transport of the primary cultures of cerebrospinal fluids from patients with bacterial meningitis. It contains nutrients such as charcoal, starch, and gelatin which support the growth of fastidious organisms like *N. meningitidis*, *S. pneumoniae*, *H. influenzae*. Activated charcoal and starch neutralizes different inhibitory substances acting as detoxifying agents. Gelatin in the medium preserves bacteria by forming a protective coat on the cell surface.

Type of specimen

Clinical samples : cerebrospinal fluid

Specimen Collection and Handling

For clinical samples follow appropriate techniques for handling specimens as per established guidelines (1,2). After use, contaminated materials must be sterilized by autoclaving before discarding.

Warning and Precautions

In Vitro diagnostic use only. For professional use only. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

Limitations

1. Further biochemical and serological testing is required for complete identification.

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

Quality Control

Appearance

In a sterile glass bottle combination of broth and one agar coated surface.

Colour of Agar medium	Colour of liquid medium
Black coloured media	Yellow coloured solution

Quantity of medium

7ml of agar media in glass bottle and 20ml of liquid medium in glass bottle

pH of Agar medium	pH of liquid medium
7.20- 7.40	7.20- 7.40

Sterility Check

Passes release criteria

Cultural response

Cultural characteristics was observed after incubation at 35-37°C at 5-10% CO₂ for 24 - 48 hours.

Organism	Inoculum (CFU)	Growth on agar medium	Growth on liquid medium
<i>Neisseria meningitidis</i> ATCC 13090	50-100	Good-luxuriant	Luxuriant
<i>Haemophilus influenzae</i> ATCC 19418	50-100	Good-luxuriant	Luxuriant
<i>Streptococcus pneumoniae</i> ATCC 6303	50-100	Good-luxuriant	Luxuriant
<i>Neisseria gonorrhoeae</i> ATCC 19424	50-100	Good-luxuriant	Luxuriant

Storage and Shelf Life

On receipt store between 2-8°C. Use before expiry date on the label. Product performance is best if used within stated expiry period.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques (1,2).

Reference

1. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
2. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.

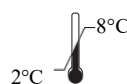
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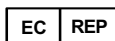
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**In vitro diagnostic
medical device**



Storage temperature



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CE Marking



**Do not use if
package is damaged**

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