HiCombi™ Dual Performance Fungal Medium Kit

LQ034A

Intended use
Recommended for detection of yeasts and moulds from pathological specimens. Combination of solid (7 ml) and liquid (20 ml) media in single bottle. For fungal selectivity. CC supplement, Modified (FD169B) is recommended. (Kit contains 10 bottles and 10 vials of CC Supplement, Modified (FD169B)).

Composition**
Proprietary

Directions
Label the ready to use LQ034A bottle. Remove the top seal of the cap. Disinfect the part of the rubber stopper which is now exposed. Transfer the sample immediately into the culture bottle by puncturing the rubber stopper with the needle.

Venting: Use sterile venting needle (LA038). Keep the bottle in an upright position preferably in a biological safety cabinet, place an alcohol swab over the rubber stopper and insert the venting needle with filter through it. Insertion and withdrawal of the needle should be done in a straight line. Discard the needle and mix the contents by gently inverting the bottle 2-3 times. Do not vent the bottle for anaerobic cultures. Incubate at 25-30°C for 24-72 hours and further for seven days. Recommended volume of blood to be tested in LQ034A: 8-10 ml (For Adult use)

Principle And Interpretation
Fungi were among the first microorganisms recognized because some of the fruiting structures, such as the mushrooms, are large enough to be seen without a microscope. Fungi can be grouped simply on the basis of morphology as either yeasts or moulds. The medium provides an acidic environment and nutrients favourable for growth and metabolism of yeasts and moulds. It contains dextrose that provides energy source for the growth of microorganisms. and adjusted the pH close to neutral. The medium can be rendered selective for fungi by antibiotics such as Chloramphenicol and Cycloheximide, which inhibits some bacteria as well as some saprophytic and pathogenic fungi.

Type of specimen
Clinical samples: Blood

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. 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. Some wild type strains may show poor growth due to nutritional variations.
2. Further isolation and biochemical tests should be carried out for confirmation.

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
Each kit contains
- Part A: In a sterile glass bottle combination of broth and one agar coated surface.
- Part B: White coloured powder,
- Part C: 2ml 0.2N NaOH

### Colour of Agar medium
- Light to Medium Amber coloured media

### Colour of liquid medium
- Light Amber coloured solution

### Quantity of medium
- 20ml of solid medium in glass bottle and 40ml of liquid medium in glass bottle

### pH of Agar medium
- 7.20 - 7.60

### pH of liquid medium
- 7.20 - 7.60

### Sterility test
Passes release criteria

### Cultural response
Cultural characteristics was observed after incubation at 25-30°C for 24 - 72 hours after addition of part B in liqiud medium (rehydrated with part C) (further growth may be observed for 7 days)

### Organism

<table>
<thead>
<tr>
<th>Organism</th>
<th>Inoculum (CFU)</th>
<th>Growth in liquid medium</th>
<th>Growth on agar medium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Candida albicans ATCC 10231 (00054*)</td>
<td>50-100</td>
<td>Poor-good</td>
<td>Luxuriant</td>
</tr>
<tr>
<td>Candida albicans ATCC 2091 (00055*)</td>
<td>50-100</td>
<td>Poor-good</td>
<td>Luxuriant</td>
</tr>
<tr>
<td>Aspergillus brasiliensis ATCC 16404 (00053*)</td>
<td>50-100</td>
<td>None-poor</td>
<td>Luxuriant</td>
</tr>
<tr>
<td>Saccharomyces cerevisiae ATCC 9763 (00058*)</td>
<td>50-100</td>
<td>Poor-good</td>
<td>Luxuriant</td>
</tr>
<tr>
<td>Saccharomyces cerevisiae ATCC 2601</td>
<td>50-100</td>
<td>Poor-good</td>
<td>Luxuriant</td>
</tr>
<tr>
<td>Trichophytton mentagrophytes ATCC 9533</td>
<td>50-100</td>
<td>Good</td>
<td>Luxuriant</td>
</tr>
<tr>
<td>Trichophytton rubrum ATCC 28191</td>
<td>50-100</td>
<td>Good</td>
<td>Luxuriant</td>
</tr>
<tr>
<td>Escherichia coli ATCC 25922 (00013*)</td>
<td>&gt;=10⁴</td>
<td>Inhibited</td>
<td>-</td>
</tr>
</tbody>
</table>

Key : (*) Corresponding WDCM numbers.

## Storage and Shelf Life
On receipt store between 15-22°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

Please refer disclaimer Overleaf.
In vitro diagnostic medical device

CE Marking

Storage temperature

15°C

22°C

Do not use if package is damaged

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