Carbol Fuchsin (ZN , Dilute)

Intended Use:
Carbol Fuchsin (ZN, Dilute) is used as solution for monochrome staining of bacteria.

Composition**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic fuchsin</td>
<td>0.15 gm</td>
</tr>
<tr>
<td>Ethyl alcohol, 95%</td>
<td>5.0 ml</td>
</tr>
<tr>
<td>Phenol</td>
<td>2.5 gm</td>
</tr>
<tr>
<td>Distilled water</td>
<td>950.00 ml</td>
</tr>
</tbody>
</table>

**Formula adjusted, standardized to suit performance parameters

Directions
1) Prepare a smear on a clear, dry glass slide.
2) Allow it to air dry and fix it with gentle heat.
3) Flood the slide with Carbol Fuchsin (ZN dilute) (S006).
4) Allow the stain to be in contact with the smear for 2-3 minutes or heat the preparation for less than half a minute.
5) Wash in slow-running water.
6) Blot dry and examine under oil immersion objective.

Principle And Interpretation
Carbol Fuchsin (ZN, Dilute) is used as solution for monochrome staining of bacteria. It is a mixture of phenol and basic fuchsin, used in bacterial staining procedures. It is commonly used in the staining of mycobacteria as it has an affinity for the mycolic acids found in their cell membranes.

Type of specimen
Any isolated colony on primary or subculture plates can be isolated from following specimens. Clinical specimen: Blood, urine, CSF, pus, wounds, lesions, body tissues, sputum etc. From environment: Air, water, soil, sludge, waste water, food, dairy samples etc.

Specimen Collection and Handling
For clinical samples follow appropriate techniques for handling specimens as per established guidelines (1, 2). For food and dairy samples, follow appropriate techniques for sample collection and processing as per guidelines. For water samples, follow appropriate techniques for sample collection, processing as per guidelines and local standards. 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) Excessive washing following the carbol fuchsin may cause a heightens decolourization effect.

Performance and Evaluation
Performance of the stain is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.
Quality Control

Appearance
Pinkish red coloured solution.

Clarity
Clear without any particles.

Microscopic Examination
Staining is carried out using Carbol Fuchsin, and staining characteristics is observed under microscope by using oil immersion lens.

Results
The cells are stained red

Storage and Shelf Life
Store between 10 - 30°C in tightly closed container and away from bright light. Use before expiry date on label. On opening, product should be properly stored in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the container tightly after use.

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 (6,7).

Reference

In vitro diagnostic medical device
CE Marking
Storage temperature

Do not use if package is damaged

HiMedia Laboratories Pvt. Limited,
B /4-6 , MIDC, Dindori, Nashik MH

www.himedialabs.com
CE Partner 4U ,Esdoornlaan 13, 3951 DB Maarn The Netherlands,
www.cepartner 4u.eu

Disclaimer :
User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.