



Product Specification

cdhfinechemical.com

CARBOL FUCHSIN (DILUTE) SOLUTION (ZIEHL NEELSEN STAINING SOLN.)

PRODUCT CODE 814920

Intended Use

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

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

PARAMETER

LIMIT

Description	Pinkish red coloured solution.
Wt./ml at 20°C	About 1.008 g
Suitability for microscopy	To pass the test.

MAXIMUM LIMIT OF IMPURITY

Residue on evaporation	About 0.1% w/v.
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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) .
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.

Results

The cells are stained red

Note(s) : Assay (if applicable) method mentioned.

DANGER

HAZARD STATEMENTS : Flammable liquid and vapour. Causes mild irritation. Cause serious eye irritation. Harmful contact with skin. Harmful if swallowed. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled . May cause allergic skin reaction . May be corrosive to metals. Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENTS :

Prevention : Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wear protective gloves/clothing. Do not breathe dust or mist. In case of inadequate ventilation wear respiratory protection. Contaminated clothing should not be allowed out of the workplace. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharge. Use only non-sparking tools. Keep away from heat/sparks/open flame - No smoking. Keep container tightly closed. Wear protective gloves and eye/face protection.

Response : In case of fire, use alcohol-type foam for extinction. Wash contaminated clothing before reuse. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. Absorb spillage to prevent material damage. If skin irritation or rash occurs, seek medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Specific treatment: refer to Label or MSDS.

IMDG Code : 3(8)/III
UN No. : 2924
IATA : 3(8)

Disposal : Add a little at a time (2 to 5g) to a large volume of water. After the reaction or solution is complete, allow it to run to normal waste, diluting with large amount of water. Any sand used to cover spillage should be thoroughly washed with water before disposal as normal waste.

Hazard pictogram(s) :



GHS02



GHS05



GHS07



GHS08

Replace Date 16-Dec-2023