

LACTOPHENOL PICRIC ACID SOLUTION

PRODUCT CODE 859300

Intended Use

Lactophenol Picric Acid is used as fungal staining solution.

Principle And Interpretation

Fungus are eukaryotic organism and they are classified into two main groups that is yeast and molds. Its cell wall is made up of chitin. Fungal cells have both macroscopic as well as microscopic structure. Lactophenol Picric Acid is used for staining as well as for wet mounting of fungi. Wet mount preparation is the most widely used method of staining and observing fungi and is simple to prepare. The preparation has three components: Lactic acid preserves the fungal structure and clears the tissue while phenol acts as a disinfectant. Picric acid has antibacterial as well as antifungal properties. It stains the fungal spores and hyphae a pale to dark yellow color.

PARAMETER	LIMIT
Description	A yellow coloured liquid.
Solubility	Miscible with water.
Suitability	Passes test.

Directions

1. Place a drop of Lactophenol Picric Acid reagent on a clean and dry slide and place fungal culture in it. The stain imparts a yellow colouration on hyphae.
2. By using a nichrome inoculating wire, carefully tease the fungal culture into a thin preparation.
3. Place a cover slip on the preparation. Wait for about 5 minutes and observe first under microscope with low power for screening in low intensity.

Results

Fungal spores and hyphae : pale to dark yellow

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

DANGER

Hazard statements: Toxic if swallowed. Suspected of damaging fertility. May be corrosive to metals. Causes severe skin burns and eye damage

Precautionary statements

Prevention: Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Obtain special instructions before use. Wear protective gloves/clothing and eye/face protection. Use personal protective equipment as required. Do not breathe dust or mist. Do not handle until all safety precautions have been read and understood.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Absorb spillage to prevent material damage. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. If exposed or concerned: Get medical attention advice. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Specific treatment: refer to Label or MSDS.

IMDG Code : 8(6.1)/II
UN No. : 2922
IATA : 8(6.1)

Disposal: The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

Hazard Pictogram(s) :



GHS05



GHS06



GHS08

Replace date 19-Dec-2023