

**General & Use information**

Cotton blue lactophenol is used in Microbiology and Histology generally for the demonstration of Yeasts and Fungi (Aspergillus). The lactophenol in the reagent acts as a mounting fluid. Organisms suspended in this fluid are killed by the phenol present which acts as a cytoplasmic poison, precipitating cellular proteins and inactivating essential enzyme systems. Cells are not lysed in this reagent.

**Specification:**

Cotton blue lactophenol available in 100ml ,250ml pack sizes.Stain is ready for use.  
Shelf life is 4 years.

**Method:**

- 1 – Cut off the top 3mm of the dispenser nozzle bottle.
- 2 – Place a drop of the reagent on a clean glass slide.
- 3 – Place a scraping or fragment of the Fungal colony using a sterile instrument and place it in the centre of the reagent drop on the slide.
- 4 – Gently mix the colony with the stain avoiding mechanical damage.
- 5 – Place coverslip over preparation.
- 6 – Examine under low and high dry magnification for the presence of yeast cells or characteristic mycelia or fruiting bodies.

**Health & Safety:**

The product contains Phenol approx 5% w/w. Phenol is Toxic by inhalation, skin absorption and ingestion. It has also been shown to cause cancer in some laboratory animals. Use strict laboratory safety practise when using this product. Wear eye and body protection and use in a ventilated hood. Do not consume. If in contact with eyes rinse with eye bath for 5 minutes, if soreness persists seek medical attention. If in contact with skin wash with soap & water. If ingested wash out mouth with water, do not swallow rinse water and seek immediate medical advice on what treatment to administer. Do not inhale vapours. Use this product in an efficient ventilated fume hood. Wear full body protection when using. If inhaled and feeling unwell, move patient to clean air zone and seek immediatemedical attention on what treatment to administer.

**Waste disposal :**

In the volumes involved in this procedure, the product can be disposed of to the public sewer system diluting it with water during disposal. However the product contains Phenol and local regulations may require different disposal arrangement therefore the user should be aware of and follow local regulatory requirements.  
The bottle is polyethylene and should be re-cycled.

**Unsatisfactory performance**

As part of our duty to monitor product performance and our policy of continual improvement. Please report to us any unsatisfactory performance you may experience with this product. If any reagent degrades before expiry of shelf life we will replace that reagent free of charge. GCC Diagnostics guarantees the quality of this product, the user should however determine the suitability of this product for their intended use.

**GCC Diagnostics (Gainland Chemicals), Factory Rd. Sandycroft. Deeside. Flintshire. CH5 2QJ. UK. Tel 0044 1244536326 Fax 0044 1244531254 email [gball@gccdiagnostics.com](mailto:gball@gccdiagnostics.com). [www.gccdiagnostics.com](http://www.gccdiagnostics.com) Revised April 2004**



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