

For the clean and easy preparation of Carbol Fuchsin stain reagent for the demonstration of acid fast organisms by the technique of Ziehl Neelsen.

The use of the concentrate avoids the need to weigh out very contaminating dye powders and toxic Phenol, it virtually eliminates error in reagent preparation and produces ready to use stain in less than a minute. On top of these advantages, there is a significant cost saving in the use of the concentrate against ready made reagents.

Ready made ZN-Carbol Fuchsin reagents have often suffered from early deterioration. This concentrate contains a solvent system that produces a stable reagent over the shelf life of the product.

**Specification:**

Each bottle contains ZN certified Fuchsin and phenol in an aqueous/organic solvent system.

Each bottle will make 1 litre of ZN- Carbol fuchsin reagent.

Shelf life of concentrate is 1.5 years. Made-up reagent should be used within 1 year.

**Method:**

To a 1 litre container add the contents of the concentrate bottle, rinse out the bottle with 100ml IMS (Methylated spirit), Ethanol or Methanol, add the rinsing to the container and make up to 1 litre volume with warm / room temperature deionised water, mix well and reagent is ready for immediate use to stain acid fast bacilli by the method of Ziehl Neelsen (ZN). Please contact us for ZN method information if required.

Give the reagent a lot/batch number, record the date of preparation and state the expiry date of 12 months from date of preparation.

Storage: Reagent is stable at room temperature in darkened cupboard for the shelf life.

**Health & Safety:**

Concentrate and prepared ZN- Carbol fuchsin reagent will stain the skin and eyes and other tissue.

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 immediate medical 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.

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