

CLIN-TECH

LIMITED

ZIEHL-NEELSEN STAINING METHOD

IVD

Product Code 62103



INTENDED USE

The Clin-Tech Ziehl-Neelsen Staining Method Kit can be used for the demonstration of Acid/Alcohol fast bacilli (Tubercle), at room temperature.

KIT PRESENTATION

<input type="checkbox"/> Carbol Fuchsin (Z-N)	500mL
<input type="checkbox"/> 3% Acid Alcohol	2 x 500mL
<input type="checkbox"/> Methylene Blue 0.5%	500mL

Do not use beyond the expiry date printed on the reagent label.

TEST PROTOCOL

Preparation

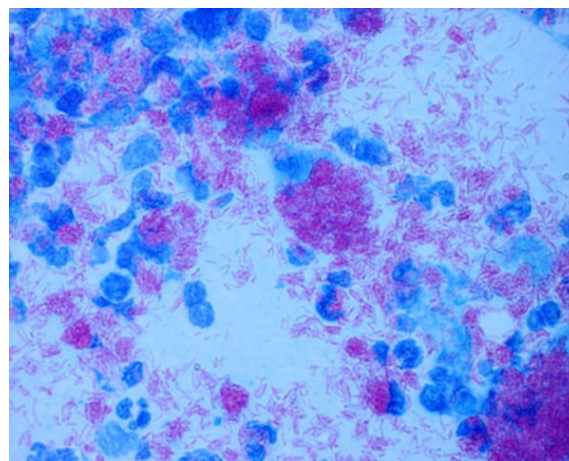
- 1) Make a thin smear on a microscope slide and fix with gentle heat. For histological preparations, de-wax and bring down to water.

Test Method

- 2) Flood slide with Ziehl-Neelsen's Carbol Fuchsin and heat 2-3 times until steam rises (Do NOT allow stain to boil or to dry on the slide)
- 3) Wash with water.
- 4) Apply several changes of Acid Alcohol until no more colour seems to come from the preparation.
- 5) Rinse with water and counterstain with Methylene Blue for approximately 10 seconds.
- 6) Rinse with water, drain until dry.
- 7) Examine under the microscope, using the oil immersion lens.

RESULTS

Acid Fast Bacilli will appear red on a blue/green background



Acid fast bacilli both intracellularly (in macrophages as well as polymorphs) and extracellularly (Z-N Stain X 1375).

Gupta *et al.* *CytoJournal* 2004 **1**:6 doi:10.1186/1742-6413-1-6

PROCEDURAL NOTES

This is the traditional Ziehl-Neelsen method for the demonstration of Acid/Alcohol fast bacilli (Tubercle), it involves the heating of the Carbol Fuchsin almost to boiling point, which causes phenol fumes to be released.

STORAGE AND STABILITY

Products should be stored between 10 – 25C.

The Decolourizer is flammable – KEEP AWAY FROM SOURCES OF IGNITION.

Clin-Tech Ltd
Unit G Perram Works
Merrow Lane
GUILDFORD
GU4 7BN
United Kingdom

Telephone:
+44 (0)1483 301902
Fax:
+44 (0)1483 301907
Email:
info@clin-tech.co.uk

Instructions for use edition C22-37