

## ZIEHL-NEELEN STAIN SET

Stain set is used to identify acid fast organisms, mainly Mycobacteria.

Solutions		
Code number:		3 x 100 ml: ZNK60300
Colour	Carbol Fuchsin Solution (100 ml):	Purple
	Acid Alcohol (100 ml):	Water clear
	Methylene Blue Solution (100 ml):	Blue
Appearance:		Transparent, precipitation free solutions

### Procedure:

1. Flood the entire smear with **Carbol Fuchsin Solution**.
2. Using a Bunsen burner, heat the slides slowly until they are steaming. Maintain steaming for 3 - 5 minutes by using low or intermittent heat.
3. Rinse the slide with water.
4. Flood the slide with **Acid Alcohol** and allow to decolorize for 5 minutes.
5. Flood the slide with the counterstain, **Methylene Blue Solution**. Keep the counterstain on the slide for 30-50 seconds.
6. Rinse the slide thoroughly with water, dry on air.

### Evaluation:

Acid fast micro-organism: Red bacilli against a blue background.

## FORMULA

1. CARBOL FUCHSIN SOLUTION	
Basic fuchsin	0,15 %
Phenol	2,50 %
Solvent	Ethanol + distilled water
2. ACID ALCOHOL	
Hydrochloric acid	3,00 %
Solvent	Ethanol
3. METHYLENE BLUE SOLUTION	
Methylene blue	0,30 %
Solvent	Distilled water

**Storage conditions:** Store the bottles protected from light at room temperature.

### Warning!

Use the reagent only before the expiry date indicated on the label.

**In vitro diagnostics - for professional use only!**