

Acid Fast stain(Ziehl-Neelsen)



**In Vitro Diagnosis
For Professional Use**

【Product Name】

Acid Fast Stain (Ziehl-Neelsen)

【Specification】

Hand slicing , 01 Specifications: Compound Red Staining Solution 20ml, decolorizing solution

20ml, methylene blue dye solution 20ml; 02 Specifications: Compound Red Staining Solution 100ml, decolorizing solution 100ml, methylene blue dye solution 100ml; 03 Specifications: Compound Red Staining Solution 200ml, decolorizing solution 200ml,

methylene blue dye solution 200ml; 04 Specifications: Compound Red Staining Solution 250ml, decolorizing solution 250ml,

methylene blue dye solution 250ml; 05 Specifications:Compound Red Staining Solution 450ml, decolorizing solution 450ml,

methylene blue dye solution 450ml; 06 Specifications: Compound Red Staining Solution 500ml, decolorizing solution 500ml,

methylene blue dye solution 500ml ;

Used for staining machines, 01 Specification: Compound red dyeing solution 1000ml, decolorizing solution 1000ml, Methylene blue dyeing solution 1000ml; 02 Specifications: Compound red dyeing solution 5000ml, decolorizing solution 5000ml, methylene blue dyeing solution 5000ml.

【Intended use】

This product is mainly used for antacid staining of bacteria such as Mycobacterium and Nocardia.

【Main components】

The product consists of compound red staining solution, decolorizing solution and methylene blue staining solution.

【Contraindication】 not have

【Inspection Principle】

Acid Resistant Staining Solution (Ziehl-Neelsen Method): Mycobacterial cell walls contain a large amount of lipids surrounding the peptidoglycan. So Mycobacterium is generally not easy to color. The manual dyeing method of this product requires heating and prolonging the dyeing time to promote the coloration of Mycobacterium. Once the mycolic acid in Mycobacterium combines with the dye, it is difficult to be decolorized by the acid decolorizing solution, so it is called antacid staining, which is the method recommended by the WHO for heat staining and the most representative Ziehl-Neelsen staining for Mycobacterium tuberculosis.

Acid Resistant Staining Solution (Ziehl- Neelsen method)The cold staining method is applied to the staining machine without heat and is safer than the antacid stain.The principle of staining is that mycobacterial acid binds to the red

complex at room temperature, and the mycobacteria remain red after restaining with methylene blue, while the other bacteria and the material in the background are blue.

【Sample Request】

Suitable for paraffin sections of tissues as well as samples of sputum, alveolar lavage fluid, pleural and abdominal fluid.

【Instructions for use】

Smear by hand:

1. Pick up the sample to be examined by inoculation ring, spread on the slide and dry naturally.
2. Add drops of compound red staining solution , put on the alcohol lamp heating 3 ~ 5min, distilled water rinse.
3. Decolorize with decolorizing solution until there is no red, rinse with distilled water.
4. Stain with methylene blue staining solution for 30 ~ 60s, rinse with distilled water.
5. Absorb the water gently, dry naturally.
6. Mirror examination with oil mirror.

For staining machine:

1. Specimen processing.
2. Use with staining machine, staining at room temperature for 10 min.
3. Read the results.

【Interpretation of test results】

Acid-resistant bacteria are red; non-acid-resistant bacteria, cells and background are blue.

【Limitations of the test method】

1. The accuracy of the test results depends on the precision of the instrument and the experience of the tester.
2. The test results are for clinical reference only and are not the sole basis for diagnosis.

【Precautions, warnings and reminders】

1. This product is for in vitro diagnosis only.
2. Cover the reagent bottle tightly after each use to prevent the reagent from evaporating and contamination.
3. The above reagents are irritating to human body, please pay attention to appropriate protection.
4. For your safety and health, please wear lab coat and disposable gloves.

【Storage conditions and expiration date】
















Store in a dry environment at room temperature

Period of validity: 24 months.

【Date of manufacture】

See product box for details.

【Index of Symbols】

Symbols	Title	Symbols	Title
	CE MARK		Catalogue number
	Manufacturer		Authorized representative in the European Community
	In vitro diagnostic medical device		Single use only
	Date of manufacture		Use-by date
	Batch code		Tests / box
	Consult instructions for use		Upwards
	Keep away from sunlight		Keep dry
	Unique device identifier		



Manufacturer:

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 (Zhongyuan Science and Technology Innovation
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