

Acid Fast Bacteria acc. Ziehl-Neelsen modified acc. Fite



Stain to highlight mycobacteria, actinomycetes and parasites

Manufacturer: Diapath S.p.A.

Use

Reagents for in vitro diagnostic use.

Code	Test	Reagents	Code	Packaging
		Periodic Acid 1%	G016AA	1x30 ml
		Fuchsin, phenolized acc. Ziehl	C042AA	1x30 ml
010202	100	Acid alcol acc. Ziehl	G005AA	1x30 ml
		Blue Methylene acc. Mallory	C013AA	1x30 ml
		Deionized water	G014AA	1x30 ml

Description

The Kit supplies reagents for Ziehl-Neelsen modified according Fite staining protocol. This stain is specially suitable to highlight acid-resistant bacteria such as mycobacteria (*Mycobacterium tuberculosis*, *Mycobacterium Leprae*), actinomycetes and parasites in histological sections, smears and cultures. The kit is characterized by counterstaining with methylene blue.

Specimen and preparation kind

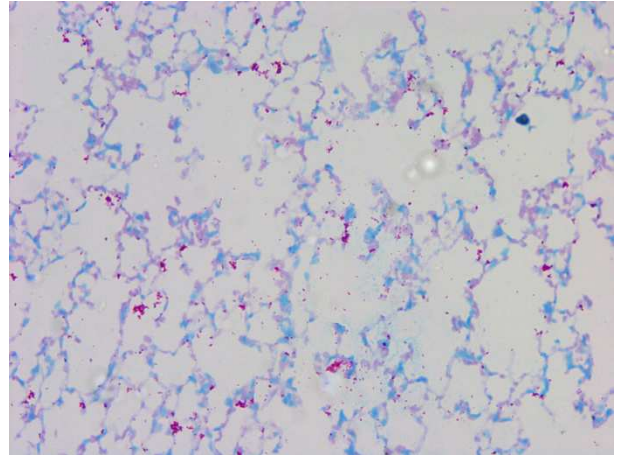
- Preparation: Paraffin section
- Suggested fixatives: Formalin
- Control: Bactery infection positive specimens
- Storage temperature: +15°/+25°C
- Procedure time: 55 min.
- Critical step: Avoid section drying

Staining protocol

- Drain reagents directly on section
 - To avoid section excessive drying, use an incubator box
- 1- Deparaffinize and hydrate to distilled water
 - 2- **Periodic Acid 1%** for 15 minutes
 - 3- Wash in distilled water
 - 4- **Fuchsin, phenolized acc. Ziehl** for 30 minutes
 - 5- Wash in distilled water
 - 6- **Acid alcol acc. Ziehl** for 1 minute until the section doesn't lose pink stain
 - 7- Wash in running tap water for 5 minutes
 - 8- Prepare countersolution:
5 drops of **Blue Methylene blue** + 5 drops of **deionized water**
 - 9- Cover the section with the solution for 30 seconds
 - 10- Wash in running tap water for 1 – 2 minutes
 - 11- Dehydrate quickly, clear and mount

Results

- Acid resistant bacteria: red
- Background: blue



Quality control

The products and the raw materials are entered and constantly monitored by computer systems that allow traceability between batch number of each single product and batches of their raw materials.

Instructions of use

To avoid mistakes, the product should be used by qualified and trained staff. Professional use product. The guidelines concerning safety on the workplace must be applied according to current regulations. The tools used for diagnosis must be suitable for diagnostic use in laboratory. The diagnosis should be performed only by authorized, trained and competent staff. Control sections should be used during each test to avoid incorrect results.

Storage

Store the product according to the specifications listed on the label. The product, if opportunely stored and integrally packed, is stable up to the expiry date reported on the label. Do not use after expiration date.

If the reagent is not stored as recommended, its performance may change and must be validated by the user. After opening, the reagent is stable up to expiration date but only if stored in its container and in accordance with the specifications listed on the label. It is recommended to close the container tightly after the use.

Disposal instruction

The expired and/or unused product must be disposed according to local waste regulations, based on danger classification on the label and after possible contaminations evaluation. In some cases it may be necessary an analytical evaluation to determine the correct waste classification and the danger features.

Labeling legend



Batch n.



Manufacturer



Storage temperature limits



Product code



Expiry date



In vitro diagnostic medical device



Photosensitive

For more information see the MSDS.