

Acid Fast Bacteria acc. Ziehl-Neelsen*Stain for acid-resistant bacteria***Manufacturer: Diapath S.p.A.****Use**

Reagents for diagnostic use in vitro

Code	Tests	Reagents	Code	Packaging
		Fuchsin, phenolized acc. Ziehl	C042AA	1x30 ml
010201	100	Acid alcol acc. Ziehl	G005AA	1x30 ml
		Mayer Hematoxylin	C030AA	1x30 ml

Description

The kit supplies reagents for Ziehl-Neelsen staining. This stain is particularly suitable to highlight acid-resistant bacteria both for cytological and histological specimen staining.

Specimen and preparation kind

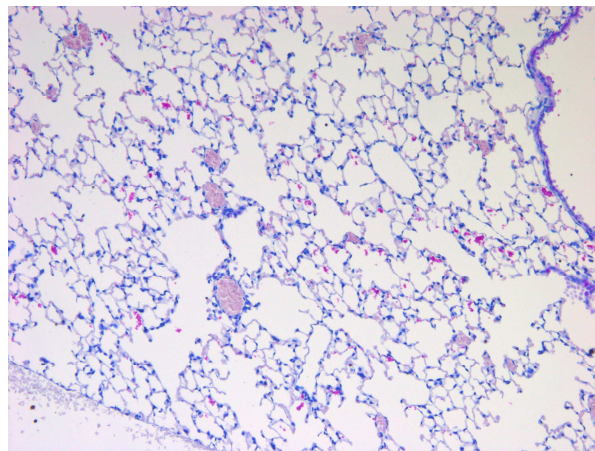
- Preparation: Paraffin section, cytological preparations
- Suggested fixative: Formalin
- Control: Specimens positive to bacterial infection
- Storage temperature: +15°/+25°C
- Procedure time: 1 h 15 min.
- Critical step: Avoid section drying

Staining protocol

- For histological specimens embedded in paraffin and cytological specimens fixed with spray start from step 1
 - For cytological specimen fixed with heat or in the open air start from point 2
 - Drain reagents directly on section
 - To avoid section excessive drying, use an incubator wet box
- 1- Deparaffinize and hydrate to distilled water
 - 2- Dilute **Fuchsin, phenolized acc. Ziehl**: 25 drops of reagent in 1 ml of distilled water
 - 3- Put the slide in a wet incubator box and cover the section with the solution for 30 minutes at room temperature
 - 4- Remove liquid in excess from the slide and dry it with bibulous paper
 - 5- Dilute **Acid alcol acc. Ziehl**: 10 drops of reagents in 95 ml of distilled water
 - 6- Immerse slides in the solution for 25 – 30 minutes until the complete section discoloration
 - 7- Wash in running tap water for 3 minutes
 - 8- Cover the section with **Mayer Hematoxylin** for 5 minutes
 - 9- Tone in running tap water for at least 5 minutes
 - 10- Dehydrate quickly, clear and mount with balsam

Results

- Alcohol-acid resistant bacteria: Red
- Nuclei: 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.