Technical sheet

Ziehl Carbolic Fuchsin

Code product: **320490**

Specifications:

• **Appearance:**	Clear purplish red solution
• **Absorption Maximum in water:**	542 nm ≤ λ ≤ 548 nm
• **pH:**	2.8 - 3.2

Applications:

Bacteriology:

- used in Gram-Nicolle staining for the detection of Gram-Positive and Gram-Negative Bacteria. Ziehl Carbolic Fuchsin stains Gram-Negative Bacteria pink.
- used in Ziehl-Neelsen (Hot-Staining Technique) and Ziehl-Armand (Hot-Staining Technique, variation of Ziehl-Neelsen staining) stainings for the detection of mycobacteria (also called Acid-Alcohol-Fast Bacilli - AFB). Ziehl Carbolic Fuchsin stains mycobacteria pink.
- used in modified Ziehl-Neelsen staining for the detection of semi-acid-fast micro-organisms. This staining allows to make out *Nocardia* (semi-acido-alcoholo-fast strain) amongst *Actinomyces*, *Actinomadura* and *Streptomyces* (non semi-acido-alcoholo-fast bacteria). Ziehl Carbolic Fuchsin stains *Nocardia* filaments light pink.

Parasitology: used in modified Ziehl-Neelsen staining according to Henriksen and Pohlenz for the detection of *Cryptosporidium* and *Cyclospora* oocysts. Ziehl Carbolic Fuchsin stains them red.

Histology: used in modified Ziehl-Neelsen Staining according to Brygoo and Al.
This technique helps distinguish *Schistosoma haematobium* eggs (Ziehl-negative) from *S. mansoni*, *S. japonicum* and *S. intercalatum* eggs (Ziehl-positive) on tissular sections.

Histo-Cytology: used in Ziehl-Neelsen staining for the detection of mycobacteria on histological sections. Ziehl Carbolic Fuchsin stains mycobacteria red.

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