

KINYOUN STAIN SET

Stain set is used for the staining of acid-fast bacteria (especially for weakly or partially acid-fast ones).

Solutions		
Code number:		3 x 100 ml: KIS60300
Colour	A. Carbol Fuchsin Solution (100 ml):	Purple
	B. Decolourizer Solution (100 ml):	Water clear
	C. Counterstain Solution (100 ml):	Blue
Appearance:		Transparent, precipitation free solutions

Procedure:

1. **Staining procedure:** Flood the entire smear with **Carbol Fuchsin Solution** for 5 minutes. Rinse with distilled water.
2. **Rinse:** Remove the remaining stain with 0,5 % ethyl alcohol. Rinse with distilled water.
3. **Decolourization:** Flood the slide with **Decolourizer Solution** for 3 minutes. Rinse with distilled water.
4. **Counterstaining:** Flood the slide with **Counterstain Solution** for 1 minute. Rinse with tap water.
5. **Drying:** Drying on air in an upright position.

Evaluation:

Positive (acid-fast micro-organism): The colonies are red (wholly or partially).

Negative (non-acid-fast micro-organisms): The colonies are blue.

FORMULA

A. CARBOL FUCHSIN SOLUTION	
Basic fuchsin	4 %
Phenol	8 %
Solvent	Ethanol 20 %

B. DECOLOURIZER SOLUTION	
Sulfuric acid	0,5 %

C. COUNTERSTAIN SOLUTION	
Methylene blue	1 %
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.

Quality control:

Test strains	Result
<i>Mycobacterium tuberculosis</i> ATCC 25177	Positive
<i>Escherichia coli</i> ATCC 25922	Negative

In vitro diagnostics - for professional use only!