REAGENT ASSEMBLY KIT
ITEM# k093

NEW FUCHSIN METHOD FOR AFB

PURPOSE:	For In Vitro Diagnostic Use: Intended for the qualitative demonstration of acid fast organisms.
PRINCIPLE:	The staining solution is able to temporarily weaken the lipid shell of certain organisms and dissolve into it. The Acid Alcohol is unable to destain these organisms but it does destain all non acid fast organisms.
CONTROL:	Any tissue known positive for acid fast organisms *Control Slides can be purchased from Histology Control Systems. See inside back cover, Item# cs003.*
SPECIMEN PREPARATION:	Formalin fixed, paraffin sections cut at 6 micrometers
SOLUTIONS:	1. New Fuchsin Solution Item# s2460 2. Acid Alcohol 1% Item# s104 3. Methylene Blue Working Solution Item# s188B *Solutions can be purchased separately from Poly Scientific.*
NOTES:	
REFERENCE:	Luna, Lee G. Histopathologic Methods and Color Atlas of Special Stains and Tissue Artifacts. American Histolabs Inc. Gaithersburg, MD. 1992. pp. 184-185.

STAINING PROCEDURE:

1. Deparaffinize and hydrate slides to distilled water.
2. Place slides in New Fuchsin Solution for 10 minutes at room temperature.
3. Wash slides well in water. Wipe the slide with gauze to remove any excess stain on the slide.
4. Decolorize slides in 2 changes of Acid Alcohol, until tissue is pale pink, for 10–20 seconds using the minimum amount of time to remove background colorization.
5. Wash slides well in water.
6. Counterstain slides in Methylene Blue Working Solution for 1 minute. If sections become overstained with Methylene Blue, remove excess color in running water or in water made slightly alkaline.
7. Dehydrate slides in 95% Alcohol and 2 changes of 100% Alcohol.
8. Clear and mount with Poly Mount (Item# s2153) or any other acceptable mounting medium.

RESULTS:

Acid Fast Bacteria ..... Bright Red

Background ..... Pale Blue