

**KINYOUN'S METHOD FOR AFB**

<b>PURPOSE:</b>	For In Vitro Diagnostic Use: Intended for the qualitative demonstration of acid fast organisms.
<b>PRINCIPLE:</b>	The Kinyoun's solution, along with the aid of heat, 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.
<b>CONTROL:</b>	Any tissue known positive for acid fast organisms <i>Control Slides can be purchased from Histology Control Systems. See inside back cover, Item# cs003.</i>
<b>SPECIMEN PREPARATION:</b>	Formalin fixed, paraffin embedded sections cut at 6 micrometers
<b>SOLUTIONS:</b>	1. Carbol Fuchsin Kinyoun's Item# s161 2. Acid Alcohol 1% Item# s104 3. Methylene Blue Working Item# s188B  <i>Solutions can be purchased separately from Poly Scientific.</i>
<b>NOTES:</b>	
<b>REFERENCE:</b>	Kinyoun, J. J. <u>Amer. Public Health</u> 5:867, 1915.

**STAINING PROCEDURE:**

1. Deparaffinize and hydrate to water.
2. Place in Carbol Fuchsin Kinyoun's at 56°C for 30 minutes.
3. Wash well in running water.
4. Differentiate in 2 changes of Acid Alcohol 1% until tissue is pink.
5. Wash well in running water.
6. Counterstain in Methylene Blue Working for 2 seconds.
7. Dehydrate quickly in 95% Alcohol, Absolute Alcohol and clear in Xylene, 2 changes each.
8. Mount with Poly Mount (Item# s2153) or any other acceptable mounting medium.

**RESULTS:**

Acid Fast Bacteria .....Bright Red  
Background .....Light Blue

*Poly Scientific R&D Corp.*

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