

## Practical - 8

### WIGERT'S IRON MAEMATOXYLIN AND VAN GIESON



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## **WIGERT'S IRON HAEMATOXYLIN AND VAN GIESON method**

This method is a selective for muscle and specific for collagen.

Iron hamatoxylin like Wiegert`s is used regressively.

They resist differentiation more than Alum Haematoxylin.

# WIGERT'S IRON HAEMATOXYLIN AND VAN GIESON

STAINING PROCEDURE:		
1. De-wax in	Xylene	3 min
2. Dip in	100% alcohol	2 min
3. Dip in	95% alcohol	1 min
4. Dip in	70% alcohol	1 min
5. Stain Iron	Haematoxylin	20min
6. Wash in tap water		
7. Differentiate with	1% acid alcohol	1 to 2dips
8. Wash in tap water		
9. Blue in	Ammonia water	30sec
10. Wash in tap water		
11. Counter stain in	Van Geison	2-3min
12. Blot with	Filter paper (dehydration)	
13. Dehydrate in	100% alcohol	10 sec
14. Final dehydration in	100% alcohol	5sec
15. Clear in 2 changes in	Xylene	2mins. Each
16. Mount in DPX,	cover slipping	



**RESULTS:**

**Nuclei**-----brownish black-blue black

**Collagen** -----bright red

**Cytoplasm, muscle, RBCs** -----yellow

