



Prepare Reducing Solution at Step #10 of this Procedure:

Combine:

25 ml 1% Hydroquinone (0.25 gm Hydroquinone in 25 ml Distilled Water)

15 ml Gum Mastic Solution (2.5%)

Mix thoroughly and filter through medium filter paper.

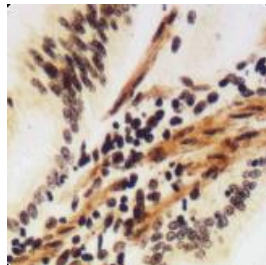
Then Add:

6 Drops (240 µl) Silver Nitrate Solution (1%)

Mix thoroughly.

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Incubate slide in Oxidizer Solution for 20 minutes.
3. Rinse thoroughly in distilled water.
4. Incubate slide in Zinc Formalin Solution for 5 minutes.
5. Rinse thoroughly in distilled water. *Note: In a loosely capped Slide Jar heat 20ml of Silver Nitrate Solution (0.2%) in a microwave oven for 10 seconds at full power. Repeat as needed until solution is hot, but do not allow solution to boil. Remove Slide Jar from microwave, tighten cap and agitate to equalize temperature.*
6. Incubate slide in hot Silver Nitrate Solution (0.2%) for 2 min with occasional agitation. *Note: Discard solution after this step.*
7. Rinse slide thoroughly in distilled water.
8. Dehydrate slide in 2 changes of Absolute Alcohol.
9. Incubate slide in Gum Mastic Solution for 3 min. *Note: Prepare Reducing Solution (above).*
10. Air dry slide for 1 min or until gum mastic is completely dry.
11. In a loosely capped Slide Jar heat 20ml of Reducing Solution in a microwave oven for 10 seconds at full power. Repeat as needed until solution is hot, but do not allow solution to boil. Remove Slide Jar from microwave, tighten cap and agitate to equalize temperature.
12. Place slide in loosely capped Slide Jar and return to microwave. As before heat Slide Jar containing slide for 10 seconds at full power. Repeat as needed until solution is hot, but do not allow solution to boil. Incubate slide in hot Reducing Solution for 3 min and then reheat again at full power until solution is hot. Incubate slide for an additional 2-3 min or until section is tan to brown. *Note: Discard solution after this step.*
13. Rinse slide quickly in distilled water.
14. Dehydrate quickly in 3 changes of absolute alcohol.
15. Clear, and mount in synthetic resin.

IX. Data:



Steiner Staining Kit