
PINEAL STAIN - ACHUCARRO-HORTEGA MODIFICATION
PARAFFIN-EMBEDDED FORMALIN-FIXED TISSUE

SECTIONING: 6 μ , silinated slides, allow to dry overnight 37°C oven.

SOLUTIONS:

SOLUTION A

2% silver nitrate 100.0 ml
Pyridine 1.2 ml

SOLUTION B

10% silver nitrate 10.0 ml
5% sodium carbonate 30.0 ml

Mix well, add:

Ammonium hydroxide drop by drop
until clear.

Add:

Distilled water 110.0 ml

Filter, then add:

Pyridine 2.2 ml

SOLUTION C

10% silver nitrate 50.0 ml

Add ammonium hydroxide drop by
drop until precipitate is almost
dissolved, filter.

1% FORMALIN

Formaldehyde 15.0 ml
Distilled water 150.0 ml
Pyridine 0.3 ml

0.2% GOLD CHLORIDE

5% HYPO

PROCEDURE:

1. Deparaffinize to distilled water, do not rinse after any of the following steps unless specified:
2. Solution A, for 2 hours, 56-58°C
3. Solution B, 16-24 hours, room temperature, in the dark.
4. Solution C, 2 minutes.
5. Reduce in 1% Formalin solution, 3 changes, make the first change after 3-5 seconds.
6. Wash in running water for 5 minutes. Rinse in distilled.
7. Tone in 0.2% gold chloride for 10-15 minutes.
8. Rinse in distilled water.
9. Fix in 5% Hypo, 5 minutes.
10. Wash in running water for 5 minutes, rinse in distilled.
11. Dehydrate, clear and mount.

RESULTS:

Club-shaped processes	black
Background	amber/tan/gray

Prepared: _____ By: _____

Approved: _____ By: _____

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