

L-780, GUARD'S METHOD FOR SEX CHROMATIN

Fixation: Fix smears of 'buccal epithelium' in 95% alcohol immediately to prevent degeneration.

PROCEDURE:

1. Further dehydrate in 70% alcohol, 2minutes.
- 1A. (optional) Stain in **Harris Hematoxylin Solution, Alcoholic** (L-780-3), 15 seconds.
2. Stain in the **Biebrich Scarlet Solution** (L-780-1), 2 minutes.
3. Rinse with 50% alcohol, 5 minutes.
4. Differentiate in the **Fast Green Solution** (L-780-2); 1-4 hours for normal stain, 24 hours with the optional Hematoxylin Stain.
5. Dehydrate through 70%, 95% and 100% alcohols, two minutes each. Clear with three changes xylene, three minutes each.
6. Mount.

Stain Results:

Red	Sex Chromatin or Barr body
Green	Cytoplasm
Blue	Nuclear Chromatin

References:

Guard,HR: Amer.J.Clin.Path., 32: 145 (1959).

AFIP Manual of Histologic Staining Methods, McGraw-Hill Co., c. 1968,p. 136