**UW Medicine - Pathology**

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De-Staining Procedure

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| Adopted Date: 09/04/91  Review Date: 06/12/09  Revision Date: 04/26/11 |

PURPOSE

For de-staining G-banded slides covered with oil so additional studies can be performed, such as FISH or other special stains.

PROCEDURE

### Material and Equipment

* + - 1. Five Coplin jars.
      2. Timer

### Reagents and Solutions

1. Xylene Substitute (Baker Cat. #9490).
2. Methanol (Baker Cat. #9070).
3. Acetic acid, glacial (Baker Cat. #9509).
4. Fixative (methanol:acetic acid, 3:1). Make fresh and keep at room temperature.

### Procedure

The slides are soaked in the following solutions.

* + 1. Xylene substitute (I) for 5 min.
    2. Xylene substitute (II) for 5 min.
    3. Xylene substitute (III) for 5 min.
    4. Methanol for 5 min.
    5. Fixative for 5 min.
    6. Air dry.

***Notes***

1. If slide is mounted in aqueous buffer, lift coverslip carefully; if the buffer has dried, use running H2O to remove the coverslip. Let dry or dry in ethanol.
2. If slide is mounted in glycerol, soak 2 hr in H2O to be able to remove the coverslip, then soak 2 min in ethanol, then go through steps #1-6.
3. If slide is not oily and not mounted, skip steps #1-2.

REFERENCES

1. Modified from Barch MT, Knutsen T, Spurbick JL The AGT Cytogenetics Laboratory Manual. Raven Press, 3rd edition, pp. 312-313, 1997.

Written By: Director Approval:

(Signature and Date) (Signature and Date)

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Cytogenetics Supervisor