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Part 4060 Revised January 2020

# **Bile Control Slides – Technical Memo**

#### **CONTROL SLIDES:**

Part 4060A 10 Slide/Set Part 4060B 98 Slide/Set

# PRODUCT SPECIFICATIONS:

Tissue: Positive staining liver. Fixation: Formalin 10%, Phosphate Buffered (Part 1090).

Section/Glass: Paraffin sections cut at 4 microns on Superfrost™ Plus slides.

Quality Control Stain: Bile Stain, Hall's Method quality control stained slide(s) included.

Reactivity: Guaranteed product specific reactivity for one year from date of receipt. Revalidate after one year to verify continued reactivity.

Storage: 15-30°C in a light deprived and humidity controlled environment.

Intended Use: To verify histological techniques and reagent reactivity.

# Before using unstained control slides, review the enclosed stained slide(s) to ensure that this tissue source is acceptable for testing needs.

# **CONTROL SLIDE VALIDATION:**

With Bile Stain, Hall's Method: Fouchet Reagent Van Gieson Stain Individual Stain Solution Part 1095 Part 1404

# **APPLICATION:**

Newcomer Supply Bile Control Slides are for the positive histochemical staining of bile (bilirubin) substances in tissue sections and to distinguish bile pigments from other tissue pigments.

#### **PRESTAINING PREPARATION:**

- 1. Heat dry sections in oven according to your laboratory protocol.
- 2. Filter Fouchet Reagent with high quality filter paper prior to use.

#### **NEWCOMER SUPPLY VALIDATION PROCEDURE:**

- Deparaffinize sections thoroughly in three changes of xylene, 3 minutes each. Hydrate through two changes each of 100% and 95% ethyl alcohols, 10 dips each. Wash well with distilled water.
  a. See Procedure Notes #1 and #2.
- 4. Place slides in <u>freshly</u> filtered Fouchet Reagent for 5 minutes.
- 5. Wash in three changes of tap water; rinse in distilled water.
- 6. Stain sections in Van Gieson Stain for 5 minutes.
- 7. Rinse slides quickly in 95% ethyl alcohol.
- 8. Dehydrate in two changes each of 95% and 100% ethyl alcohol. Clear in three changes of xylene, 10 dips each; coverslip with compatible mounting medium.

## **RESULTS:**

Bile	
Connective tissue	
Background	

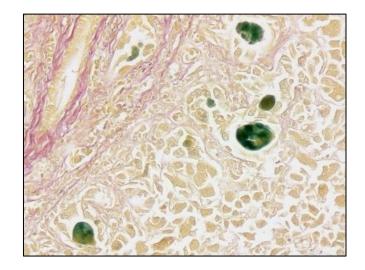
Emerald green to olive drab Pink to red Yellow

# PROCEDURE NOTES:

- 1. Drain staining slides after each step to prevent solution carry over.
- 2. Do not allow sections to dry out at any point during procedure.
- 3. If using a xylene substitute, closely follow the manufacturer's recommendations for deparaffinization and clearing steps.

## **REFERENCES:**

- Carson, Freida L., and Christa Hladik. *Histotechnology: A Self-Instructional Text.* 3rd ed. Chicago, Ill.: American Society of Clinical Pathologists, 2009. 268-269.
- 2. Sheehan, Dezna C., and Barbara B. Hrapchak. *Theory and Practice of Histotechnology*. 2nd ed. St. Louis: Mosby, 1980. 219.
- 3. Modifications developed by Newcomer Supply Laboratory.



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