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## TECHNICAL DATA SHEET 600

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# Rapid Mucin Stain Kit

### KIT COMPONENTS

- Wiegert's Iron Hematoxylin Solution A&B (250 ml/ each)
- Fast Green FCF 1/5000, Counterstain (250 ml)
- 1% Glacial Acetic Acid (250 ml)
- 0.5% Basic Fuchsin Acidified (250 ml)
- 0.2% Tartrazine Aqueous Solution (250 ml)

### INTRODUCTION

Secretions of mucins are produced in several areas including epithelial and connective tissue. Inflammation can cause secretion of mucin as well as some types of intestinal carcinomas. The use of a Rapid Mucin will quickly determine the presence of mucin and assist in the direction of other special stains or immunohistochemistry to determine the origin of the mucin producing cells.

### FIXATION

10% Neutral Buffered Formalin or alcohol can be used. Sections should be cut at 4 $\mu$  to 5 $\mu$

### DEPARAFFINIZE

Slides should be deparaffinized through xylene or substitute to remove the paraffin from the section and descending grades of alcohol to water just prior to staining.

### STAINING PROCEDURE

#### Routine Procedure for Room Temperature

- Mix Wiegert's Iron Hematoxylin Solutions with equal parts of Solutions A&B. This solution can be reused for several days.
- Place slides in the completed Wiegert's Iron Hematoxylin Solution and stain for 1 minute.
- Rinse in running tap water for 1 to 3 minutes to allow the color to develop.
- Place slides in Fast Green FCF Solution for counterstain time of 3 minutes.
- Rinse in 1% Glacial Acetic Acid, quickly.
- Place in 0.5% Basic Fuchsin Solution for 4 minutes.
- Stain in Tartrazine 0.2% for 1 to 5 seconds.
- Dehydrate through 3 changes of 95% ethyl alcohol – 2 changes of 100% Ethyl Alcohol and 2 changes of Xylenes all with quick dips to avoid decolorizing the slides.
- Coverslip with Poly-Mount or other media.

#### Microwave Staining Procedure

Steps with microwave heating must be done under a hood and the microwave must be vented. Heating in a Coplin jar will require 15 to 30 seconds to reach 60°C and 1 to 1/2 minutes for 250 mL to reach 60°C in a larger staining dish on HIGH in a microwave

or as directed by the manufacturer using a probe. Please calibrate your oven by checking this temperature with room temperature distilled water for accurate control.

- Mix Wiegert's Iron Hematoxylin Solutions with equal parts of Solutions A&B. This solution can be reused for several days.
- Place slides in the completed Wiegert's Iron Hematoxylin Solution and stain for 15 to 30 seconds.
- Rinse in running tap water for 1 to 3 minutes to allow the color to develop.
- Heat Fast Green FCF Solution in the microwave for 15 to 30 seconds in a Coplin jar or 1 to 1 1/2 minutes for 250 mL in a large staining dish. Place slides in the solution for 15 to 30 seconds.
- Rinse in 1% Glacial Acetic Acid, quickly.
- Heat 0.5% Basic Fuchsin Solution in the microwave for 15 to 30 seconds in a Coplin jar or 1 to 1 1/2 minutes for 250 mL in a large staining dish. Place slides in the stain for 30 seconds to 1 minute.
- Stain in Tartrazine 0.2% for 1 to 5 seconds.
- Dehydrate through 3 changes of 95% ethyl alcohol – 2 changes of 100% Ethyl Alcohol and 2 changes of Xylenes all with quick dips to avoid decolorizing the slides.

### RESULTS

Nuclei - Black  
Mucin - Red to Pink  
Background Cytoplasm - Green

Please refer to the MSDS for chemical and safety information

### ORDERING INFORMATION

Cat. #	Description	Sizes
24208	Rapid Mucin Stain Kit	1 Kit

### TO ORDER

**In The U.S. Call:** 1(800) 523-2575 • (215) 343-6484  
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