

INTENDED USE

The Mucicarmine Stain Kit uses EZ Mucicarmine to stain acidic mucopolysaccharides red. The Weigert Hematoxylin stains nuclei black; EZ Green stains cytoplasm green.

PRODUCT SUMMARY

EZ Mucicarmine stain is prepared with carmine dye, which is made by combining carminic acid with a positively charged mordant (aluminum). The cationic carmine dye binds to the anionic mucin. Neither DNA nor RNA will stain with EZ Mucicarmine presumably because of the large size of the carmine molecule (steric hindrance).

EZ Green is an acid dye that attaches to the positively charged amino groups of tissue components. The buffer provides the optimal pH for tissue and dye ionization.

Weigert is an iron hematoxylin that stains nuclei black.

INGREDIENTS

EZ Green: Naphthol green B (C.I. 10020), buffer

EZ Mucicarmine: Carmine dye (C.I. 75470), aluminum chloride, thymol (as a preservative)

Weigert Hematoxylin Solution A: Ferric chloride, hydrochloric acid

Weigert Hematoxylin Solution B: Hematoxylin, reagent alcohol

WARNING

EZ Green: Irritant. Avoid contact with skin and eyes.

EZ Mucicarmine: Irritant. Avoid contact with skin and eyes.

Weigert Hematoxylin Solution A: Irritant. Avoid contact with skin and eyes.

Weigert Hematoxylin Solution B: Irritant. Avoid contact with skin and eyes. Flammable.

For In Vitro Diagnostic Use.

STORAGE

Store kit away from direct sunlight. Keep all containers tightly closed when not in use. Weigert Hematoxylin Solution B is flammable. EZ Mucicarmine should be stored in the refrigerator.

DIRECTIONS FOR USE

1. Let EZ Mucicarmine warm to room temperature. Filter before use.
 - a. Staining intensity of acidic mucins varies from pink to red, depending upon their degree of acidity.
 - b. Sulfated mucosubstances stain more intensely than carboxylated mucins.
 - c. Neutral mucins do not stain.
2. Weigert Hematoxylin should be prepared fresh.

RECOMMENDED STAINING SCHEDULE

1. Clearant x 33 minutes each
2. 100% alcohol x 21 minute each
3. 95% alcohol1 minute
4. 50% alcohol1 minute
5. Distilled or deionized water x 230 seconds each
6. Working Weigert Iron Hematoxylin solution
 - a. Just before use, mix together equal parts:
 - i. Weigert Hematoxylin Solution A
 - ii. Weigert Hematoxylin Solution B
 - b. Immerse slide10 minutes
7. Tap water x 25 minutes each
8. EZ Mucicarmine10 minutes
9. Distilled or deionized water x 230 seconds each
10. EZ Green2 minutes
11. 95% alcoholrinse quickly
12. 100% alcohol x 31 minute each
13. Clearant x 31 minute each

Results: Acidic mucin–pink to red; Nuclei–black; Collagen, cytoplasm and muscle–green

DISPOSAL

1. Use a licensed waste hauler.
2. Discard into the sanitary sewer system with the approval of local wastewater officials.

MSDS

MSDS are available online at www.anatechltdusa.com.

ORDERING INFORMATION FOR MUCICARMINE

<u>Cat#</u>	<u>Packaging</u>
884	Mucicarmine Stain Kit
873	EZ Green, 1 quart
871	EZ Mucicarmine, 1 quart
872	EZ Carmine, 25 g jar
878	EZ Carmine, 1 kg