

## TECHNICAL DATA SHEET 781

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# Melanin Bleach Kit

## Introduction

Melanins are pale brown to dark brown and even black pigments that are found intracellular in the cytoplasm. Melanins are found in hair, skin, retina, and the substantia nigra of the brain.

When melanin pigment is present in large amounts, cellular detail may be obscured. Removing melanin from tissue sections allows for positive staining to be interpreted correctly especially if DAB is used when performing immunohistochemistry. Melanin may interfere with DAB results when performing special stains, immunohistochemistry or other histochemical staining. Other melanin producing tumors may also obscure structures in skin or brain sections.

## Contents of Kit

250ml Pretreatment Solution A

250ml Pretreatment Solution B

## Control

4-6 micron section of melanin containing tissue. (Skin, or retina)

## Procedure

1. Hydrate slides to distilled water.
2. Treat sections with Melanin Bleach Solution A for 5 minutes.
3. Wash in running tap water.
4. Treat in Melanin Bleach Solution B for 1 minute.
5. Wash in running water, check microscopically and re-bleach if necessary.  
Some melanin pigment can be stubborn and the process may have to be repeated.  
Ocular melanin may take an hour to bleach. Adjust time accordingly.
6. After section is bleached, rinse in distilled water and proceed with H and E staining, special staining or place in appropriate pH buffer before IHC procedures.
7. Dehydrate, clear and mount once staining procedures are completed.

## Reference

Lillie, R 1965 "Histopathologic technique and Practical Histochemistry"

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## Ordering Information

Cat. #	Description	Size
24883	Melanin Bleach Kit	1 Kit

### Additional Products:

24012	Microscope Slides, Control	1 box (72)
22247	Microscope Slides, Poly-L-Lysine Coated	1 box (72)
24216	Microscope Slides, Tissue Tack™	1 box (72)
18606	Aqua-Poly/Mount Coverslipping Media	20ml
24214	CitraMount™ Coverslipping Media	120ml, 940ml
17951	Mowiol® 4-88	500g
08381	Poly-Mount, Coverslipping Media	120ml, 940ml
24076	0.5M Citrate-Citric Acid Buffer, pH 4.6±0.2, 10X Concentrate	500ml, 1L
24084	Tris-Acetate-EDTA Buffer (TAE Buffer), pH 8.3±0.2, 10X Concentrate	500ml, 1L
24242	Gill's #1 Hematoxylin for Cytology	500ml, 1000ml, 3.8L
24243	Gill's #2 Hematoxylin for Histology & Cytology	500ml, 1000ml
24244	Gill's #3 Hematoxylin for Histology	500ml, 1000ml
24245	Harris Hematoxylin, Mercury-Free, Acidified	500ml, 1000ml
09782	Gill's Modified OG-6	500ml, 1000ml, 3.75L
09783	Gill's Modified EA	500ml, 1000ml, 3.75L
09859	Eosin Y, 0.5%, Alcoholic Sol., Acidic	500ml, 1000ml, 3.75L
17269	Eosin Y, 1%, Alcoholic Sol., Non-Acidic	500ml, 1000ml, 3.75L
24604	Fast Frozen Stain Kit	1 kit
24205	Gomori's Trichrome Stain Kit	1 kit
24199	Prussian Blue Reaction for the Demonstration of Iron	1 kit

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