REAGENT ASSEMBLY KIT
ITEM# mw016

LIEB'S METHOD FOR AMYLOID (CRYSTAL VIOLET) (Microwave)

PURPOSE:	For In Vitro Diagnostic Use: Intended for the qualitative demonstration of amyloid..
PRINCIPLE:	The staining solution initially stains all tissue components then, after time, self-differentiates leaving the amyloid, which has a higher dye affinity than other tissue components, deep purple and distinguishable from other tissue components. Apathy's is used to avoid solvents destaining the tissue.
CONTROL:	Any tissue known positive for amyloid *Control Slides can be purchased from Histology Control Systems. See inside back cover, Item# cs001.*
SPECIMEN PREPARATION:	Formalin fixed, paraffin embedded sections cut at 8-10 micrometers
SOLUTIONS:	1. Crystal Violet Lieb's Working Solution Item# s169C 2. Apathy's Mounting Medium Item# s118 *Solutions can be purchased separately from Poly Scientific.*
NOTES:	*Variations in timing may occur due to the power wattage of the microwave oven. Provided times and power levels are based on 1000 watt microwave oven.*
REFERENCE:	Luna, Lee G. Histopathologic Methods and Color Atlas of Special Stains and Tissue Artifacts. American Histolabs Inc. Gaithersburg, MD. 1992. p. 367.

STAINING PROCEDURE:

1. Deparaffinize and hydrate slides to distilled water.
2. Place 50 mL of Crystal Violet Lieb's Working Solution in a plastic coplin jar (loosely apply cap) and microwave for 20 seconds. Stir and re-microwave for 20 seconds. Stir and re-microwave an additional 10 seconds. Stir and place slides in solution for 1 minute.
3. Wash slides well in running water.
4. Mount with Apathy's Mounting Medium. For permanent sections allow stained slides to air dry completely, then dip in Xylene and mount with Poly Mount (Item# s2153) or any other acceptable mounting medium.

RESULTS:

Amyloid.....Purplish Violet

Other Tissue Elements.....Blue