

Hematoxylin reagents

ELEVEN DIFFERENT HEMATOXYLIN SOLUTIONS

Each of BioGnost's Hematoxylin reagents is specially stabilized in order to maintain the reagent's reactivity for prolonged periods of time, as well as to maintain the quality of the reagents. Every staining provides crystal clear and highly detailed image of cell's nucleus, which in turn makes abnormal or pathological changes easier to detect.

BioGnost offers several types of hematoxylin reagents of lower or higher concentration, intended for cytology or histology. Depending on use, they may be used in regressive and/or progressive method.

Hematoxylin H - most commonly used in routine HE staining procedure (according to Harris). Stronger dye concentration enables the user to choose the needed intensity of nuclei staining. Does not contain mercury oxide.

Hematoxylin M - intended for progressive, routine hematoxylin and eosin (HE) staining and counterstaining in immunohistochemistry (according to Mayer). Contains chloral hydrate.

Hematoxylin ML - formulation according to Mayer-Lillie, used in progressive and regressive HE staining, and also counterstaining in immunohistochemistry.

Hematoxylin G1, G2 i G3 - specially stabilized solutions. Does not require filtration (according to Gill). Staining intensity increases from Hematoxylin G1 and G2 (progressive staining) to Hematoxylin G3 (progressive and regressive staining).

Hematoxylin CAR - used in progressive routine hematoxylin and eosin (HE) staining, but also in staining frozen sections of urgent biopsies. It enables precise nuclear staining without staining cytoplasmic components.

Hematoxylin COL - hematoxylin solution oxidized using iodine. May be used in progressive and regressive staining methods.

Hematoxylin HP, PAP 1A - solution for progressive and regressive staining according to Harris in cytology. Special formulations for staining acc. to Papanicolaou and in exfoliative cytology.

Hematoxylin W kit - Weigert hematoxylin formulations are not washed out in acid solutions. It is often a component of special stains kits for staining connective tissues. Contains two solutions: Hematoxylin, Weigert A and Ferri reagent, Weigert B.

Hematoxylin P.T.A. - hematoxylin solution containing phosphotungstic acid, it enables simultaneous staining with two different colors, no additional counterstaining is required. For differentiation between fibrin, smooth and cross-striated muscle fibers.

Properties of BioGnost's Hematoxylin reagents

TYPE OF HEMATOXYLIN	CYTOLOGY	HISTOLOGY	IMMUNOHISTOCHEMISTRY	PROGRESSIVE METHOD	REGRESSIVE METHOD	FILTRATION
HEMATOXYLIN H	-	+	-	+	+	necessary
HEMATOXYLIN M	-	+	+	+	-	not necessary
HEMATOXYLIN ML	-	+	+	+	+	necessary
HEMATOXYLIN G1	+	+	+	+	-	not necessary
HEMATOXYLIN G2	+	+	+	+	-	not necessary
HEMATOXYLIN G3	+	+	-	+	YES histopathology NO cytology	not necessary
HEMATOXYLIN CAR	-	+	+	+	-	not necessary
HEMATOXYLIN COL	-	+	+	+	+	not necessary
HEMATOXYLIN HP, PAP 1A	+	-	-	+	+	not necessary
HEMATOXYLIN W KIT	-	+	+	+	acid-fast	not necessary
HEMATOXYLIN P.T.A.	-	+	-	+	-	not necessary