

# Tissue-Tek® Hematoxylin 3G

## For Prisma (Plus) standard solution reservoir

### Instruction for use

REF 9130-E Solution #1 Solution #2

#### Intended Purpose

This product is intended for staining nucleus in formalin-fixed and paraffin-embedded (FFPE) specimens or cytopathological specimens. It is commonly used in conjunction with Eosin (staining cytoplasm), and stained specimens can be observed for the morphological and structural characteristics of cells under the light microscope.

#### Intended User

The intended user is a person who is working in the field of pathology, anatomy or clinical cytology with basic knowledge of their respective field (e.g. pathologist, medical laboratory technician) and who is responsible for microscope slide preparation.

#### Test principle

Nucleus, ribosomes are stained blue by Hematoxylin.

#### How to mix Solution #1 and Solution #2

- Take one each of Solution #1 and Solution #2 out of the box.
- Add Solution #1 to Solution #2. If Solution #1 is a little left in its bottle, add Solution #2 a little into the bottle #1 to rinse and put back into the Solution #2.

Attention : Do not grip the pouch too tightly. Doing so may cause the solution to splash.

- Close the Solution #2 pouch cap firmly. Mix the two solutions well by gentle inversion approximately 20 times.

Attention : Take care not to spill when mixing the two solutions.

- Record the date of solution preparation on the Solution #2 pouch (Preparation date:), if needed.

Attention : Be sure to close the pouch cap tightly before recording the preparation date on the pouch.

#### Materials required but not supplied

Microscope Slides, Xylene, Ethanol, Eosin

#### Precautions for use

- Prepare the staining solution by mixing all of Solution #1 and Solution #2 at room temperature at least 24 hours before the start of use.
- If the staining solution is used right after preparation, hematoxylin is not oxidized completely, which will result in weak staining.
- Be sure to add all of Solution #1 to Solution #2. Failure to do so will change the mixture proportion, causing improper staining.
- After mixed, use up within one year and prior to expiration date of the product.
- Solution #2 may turn yellow but the change does not affect the staining quality of the product. Please use as it is.
- Basically, the prepared staining solution should be all placed into the standard solution reservoir.
- If staining quality or solution volume decreases, replace the staining solution in use with a newly-prepared one (at least one day after preparation).
- Depending on the use conditions of the staining solution, a differentiation step may be required.
- If you have any questions or need assistance in using the Hematoxylin 3G, contact the Sakura distributor or representative.

#### Safety measures

- Confirm the hazard and toxicity information through the Safety Data Sheet (SDS) of the product before use.
- Wear protective gear/eye protection/face protection, as appropriate, when handling the product.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Provide adequate ventilation.
- Wash hands thoroughly after handling.
- In case of fire: Use carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, dry chemical or water fog to extinguish.

#### First aid measures

- In case of eye contact, immediately flush the affected eye under running tap water for at least 15 minutes. Seek medical advice. If eye irritation persists: Get medical advice/attention.
- In case of skin contact, immediately remove contaminated clothing and shoes, and wash the affected area with plenty of water.

- In case of inhalation, immediately cover victim with a blanket, move to fresh air and keep quiet. Make victim blow his/her nose and gargle. Seek medical attention if needed.
- In case of accidental ingestion, give water or salt water to drink, and induce vomiting. Immediately seek medical advice.
- Immediately call a POISON CENTER/doctor.
- Absorb spillage to prevent material damage.

#### Storage

- Keep frost-free, in a cool, dry and well-ventilated place (< 30°C). Keep away from oxidizing agents. Protect from sunlight.

#### Expiration date

The expiration date is printed on the package.

#### Disposal

- Outsource disposal of solutions and bottles to a waste company or dispose of them in accordance with applicable local regulations.

#### Precautions

Warning Solution #1	Danger Solution #2
 	

#### Solution #1

The above are pictograms for ethanol contained in Solution #1. Contains 10 % of components with unknown hazards to the aquatic environment.

- Flammable liquid and vapor
- Causes serious eye irritation

#### Solution #2

The above is a pictogram for Aluminium sulphate, hydrate and Sodium iodate contained in Solution #2.

- May be corrosive to metals.
- Causes serious eye damage.
- May produce an allergic reaction.

#### Specifications

Product		Tissue-Tek® Hematoxylin 3G For Prisma (Plus) standard solution reservoir
Contains	Solution #1	24ml
	Solution #2	800ml

Active ingredient; Hematoxylin 5 -< 10%

#### Note

- The 2D barcode (Tissue-Tek® Prisma barcode) on the pouch label is for use in the Solution Management with Tissue-Tek Prisma® Plus Automated Slide Stainer using the 2D barcode reader (option).
- Do not damage the 2D barcode printed on the pouch label. Blurred or damaged barcodes will result in a read failure.
- If there are any serious incidents that have occurred in relation to the device shall be reported to the manufacturer and your competent authority.

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Made in Japan	

-  In vitro diagnostic medical device
-  CE marking
-  Keep away from sunlight
-  30°C Upper limit of temperature
-  Fragile, handle with care
-  Consult instructions for use or consult electronic instructions for use

#### Please visit our website

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Sakura Finetek Europe B.V. [www.sakura.com](http://www.sakura.com)

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