

Tissue-Tek Genie® Pro

Detection Kit, DAB

Instructions for use

Intended use

For *in vitro* diagnostic use.

Tissue-Tek Genie® Pro Detection Kit, DAB is designed to detect mouse and rabbit primary antibodies in formalin-fixed, paraffin embedded (FFPE) specimen sections by immunohistochemistry (IHC) staining using the Tissue-Tek Genie® Advanced Staining System. The clinical interpretation must be made in conjunction with histological examination, relevant clinical information, other diagnostic tests and proper controls by a qualified pathologist.

Limitations

This product has been optimized for use with the default protocol for this antibody on the Tissue-Tek Genie Advanced Staining System, using Tissue-Tek Genie® reagents and FFPE specimen sections. Staining quality may diminish when used with other systems and/or reagents.

Summary and principle

Tissue-Tek Genie Pro Detection Kit, DAB uses a non-biotin-based system to detect and to visualize mouse or rabbit primary antibodies bound to antigens in FFPE specimen sections. The detection system uses protein and peroxidase blocks to prevent unspecific binding of antibodies to antigens and reactions of endogenous peroxidase with downstream components of the detection system. After blocking, the system uses the link solution that binds to mouse and rabbit primary antibodies and forms a complex with a Horse Radish Peroxidase (HRP) Conjugate. The complex is then

visualized with the addition of DAB Chromogen and Hydrogen Peroxide Substrate. DAB Intensifier is added to increase the intensity of DAB. This procedure entails the sequential application of antibody and kit components as follows:

- Tissue-Tek Genie® Protein Block, one (1) cartridge for 250 tests
- Tissue-Tek Genie® Peroxidase Block, one (1) cartridge for 250 tests
- Tissue-Tek Genie® Link (binds to the primary antibody), one (1) cartridge for 250 tests
- Tissue-Tek Genie® Polymer HRP-Conjugate (binds to the link), one (1) cartridge for 250 tests
- Tissue-Tek Genie® DAB Substrate, one (1) cartridge for 250 tests
- Tissue-Tek Genie® DAB Intensifier, one (1) cartridge for 250 tests

Expected results

Positive staining is indicated by a brown to dark brown color.

Cautions and warnings

For professional use, only. DAB substrate is harmful if swallowed. It is suspected of causing genetic defects and may cause cancer. The DAB intensifier is harmful if swallowed or in contact with skin. It is toxic to aquatic life. Do not handle until all safety precautions have been read, understood and implemented. Do not eat, drink or smoke when using this product. Wear protective

gloves, clothing, eye/face protection. Avoid release to the environment. IF SWALLOWED or ON SKIN: call a POISON CENTER or doctor if you feel unwell. If exposed or concerned get medical advice. For all other reagents, take reasonable precautions when handling. Avoid contact of reagents with eyes, skin, and mucous membranes. Wear protective gloves, clothing, and eye/face protection.

Cartridges filled with ready-to-use, reagents are for multiple use. Do not attempt to re-fill or add additional reagent. Discard cartridge when empty.

It is recommended to include appropriate controls on each specimen slide to help in identifying any deviation that might occur during the staining process.

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Refer to the SDS for further information.

Storage conditions

Store this product at 2-8°C.

Instructions for use

1. Prior to placing cartridges of this kit on the carousel of the Tissue-Tek Genie Advanced Staining System, prime the cartridges by facing the nozzle downwards and gently pinching the nozzle tubing until the tubing is filled with the reagent.
2. The cartridges will be scanned and registered automatically when a staining run is initiated or the "SCAN REAGENTS" process is started.
3. The 6 cartridges of this kit are registered with the software as one kit. Do not replace any reagent from a kit with the corresponding reagent from another kit.

Material required but not supplied

The following reagents may be required for staining but are not provided:

- Tissue-Tek Genie® Dewax Solution (REF 8865-G001)
- Tissue-Tek Genie® Wash Solution (REF 8874-G004)

- Tissue-Tek Genie® Citrate Antigen Retrieval Solution (REF 8742-G001)
- Tissue-Tek Genie® High pH Antigen Retrieval Solution (REF 8744-G001)
- Tissue-Tek Genie® Hematoxylin (REF 8830-M250)
- Tissue-Tek Genie® primary antibodies

Further information can be found on the Sakura Finetek USA website at www.sakuraus.com/Genie

Order information

Product code, product name and quantity

REF 8826-K250 Tissue-Tek Genie® Pro Detection Kit, DAB, Ready-To-Use, 250 tests, 6 cartridges; 1 kit.

NOTE: The Safety Data Sheet (SDS) is available online on the Sakura Finetek USA website at www.sakuraus.com/SDS.html

Contact

If located within the United States, contact Sakura Finetek USA, Inc. by calling toll free **1-800-725-8723** or contact your Sakura Finetek representative or authorized distributor.

In countries, other than the United States, contact the nearest authorized Sakura Finetek instrument distributor or representative. Contact details may be found at www.sakura.com



Symbols

| | |
|---|---|
|  | Catalog number |
|  | Batch code |
|  | <i>in vitro</i> diagnostic medical device |
|  | Temperature limitation |
|  | Use by |
|  | Manufacturer |
|  | Consult instructions for use |
|  | European Conformity |
|  | Authorized representative in the European Community |

Storage : 2°C  8°C







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| Made in U.S.A. | |

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