

Tissue-Tek Genie® Pro

AP Red Detection Kit

Instructions for use

Intended use

For *in vitro* diagnostic use.

Tissue-Tek Genie® Pro AP Red Detection Kit is designed to detect mouse and rabbit primary antibodies in formalin-fixed, paraffin embedded (FFPE) specimen sections by immunohistochemistry (IHC) staining on 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 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

The Tissue-Tek Genie Pro AP Red Detection Kit uses a non-biotin-based system to detect and visualize mouse or rabbit primary antibodies bound to antigens in FFPE specimen sections. The detection system uses protein block to prevent nonspecific binding of antibodies to antigens with down-stream 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 the poly AP-conjugate. The complex is then visualized with the addition of AP Red.

Caution: The AP red chromogen is soluble in alcohol. DO NOT use extended alcohol baths or extended use of xylene to dehydrate and clear slides. Refer to the instructions for automated coverslipping section.

This procedure entails the sequential application of antibody and kit components as follows:

- Tissue-Tek Genie® Pro Protein Block, one (1) cartridge for 250 tests
- Tissue-Tek Genie® Pro Link (binds to the primary antibody), one (1) cartridge for 250 tests
- Tissue-Tek Genie® Pro Poly AP-Conjugate, one (1) cartridge for 250 tests
- Tissue-Tek Genie® Pro AP Red, one (1) cartridge for 250 tests

Expected results

Positive staining is indicated by a red color.

Cautions and warnings

For professional use only. Reagents in the Tissue-Tek Genie Pro AP Red Detection Kit may be harmful if swallowed. For all 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.

Slides stained with AP red chromogen should be stored protected from direct light.

Storage conditions

Store this product at 2-8°C.

Instructions for use

1. Prior to placing the 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 when the “SCAN REAGENTS” process is started.
3. The 4 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.

Instructions for automated coverslipping

1. Ensure the Tissue-Tek Prisma® / Tissue-Tek Prisma® Plus Automated Slide Stainer (REF 6130/6170) linked to a Tissue-Tek Film® Automated Coverslipper / Tissue-Tek Glas™ g2 Automated Glass Coverslipper (REF 4740/6500) are operational.
2. Transfer the slides from the Tissue-Tek Genie Advanced Staining System promptly into a Tissue-Tek® Slide Basket (REF 4768) and place the basket immediately into a start station on the Tissue-Tek Prisma® / Tissue-Tek Prisma® Plus Automated Slide Stainer.
3. Start the Sakura Finetek validated IHC dehydration program listed below. This program must be set to Priority (refer to the operating manual).

Step	Station	Solution	Time	Delay	Mix
1	S*	Start Station	--:--:--		
2	W*	Wash Station	00:01:00	==	EW
3	23	Alcohol 95%	00:00:10	==	ON
4	22	Alcohol 100%	00:00:10	==	ON
5	21	Alcohol 100%	00:00:10	==	ON
6	19	Xylene	00:00:10	==	ON
7	18	Xylene	00:00:10	==	ON
8	17	Xylene	00:00:10	==	ON
9	E1-*	End Station 1	--:--:--		

Material required but not supplied for IHC

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® Non-Immune Mouse Ig Antibody, Negative Control (REF 8604-C010 and 8604-M250)
- Tissue-Tek Genie® Non-Immune Rabbit Ig Antibody, Negative Control (REF 8605-C010 and 8605-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 8836-K250 Tissue-Tek Genie® Pro AP Red Detection Kit; RTU, cartridge containing 250 tests, 1 each, Protein Block, Link, Poly AP-Conjugate, AP Red/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

-  REF Catalog number
-  LOT Batch code
-  IVD *in vitro* diagnostic medical device
-  Temperature limitation
-  Use by
-  Manufacturer
-  Consult instructions for use
-  CE European Conformity
-  EC REP Authorized representative in the European Community

Storage: 2°C  8°C



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