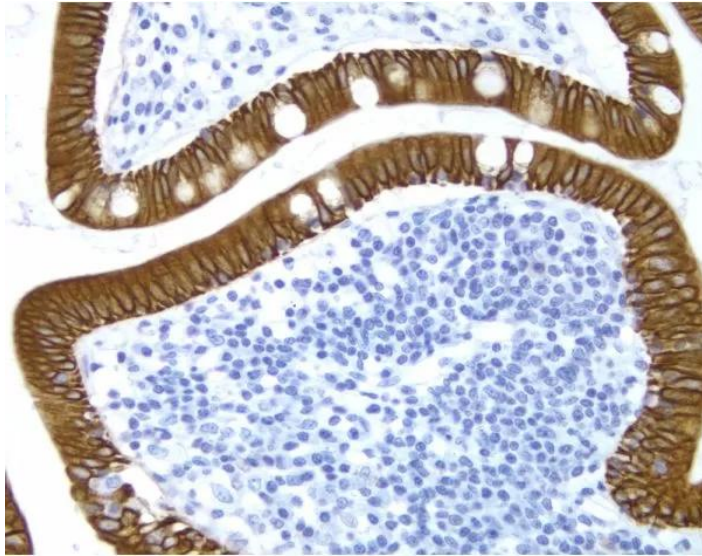




# **HEMATOXYLIN QS COUNTERSTAIN**

**SKU:** H-3404-100



## **DESCRIPTION**

Vector Hematoxylin QS (H-3404), a modification of Mayer's hematoxylin developed especially for immunocytochemistry, provides crisp blue nuclear staining. This formula is ready-to-use without filtration, requires no separate bluing step, and stains in less than 45 seconds.

### **Features:**

- Provides excellent color contrast with most commonly used peroxidase and alkaline phosphatase substrates
- Suitable for use with nonaqueous and aqueous mountants
- Mercury-free

## **SPECIFICATIONS**

|               |              |
|---------------|--------------|
| <b>Format</b> | Ready-to-Use |
|---------------|--------------|

**For research use only. Not intended for therapeutic or diagnostic use in animals or humans.**



**Unit Size** 100 ml

**Applications** Immunohistochemistry / Immunocytochemistry, In situ hybridization

## TECHNICAL INFORMATION

### Counterstain/Substrate Compatibility Table

This table is designed as a reference to determine the optimal counterstain/substrate combination for your application.

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## Counterstain/Substrate Compatibility Table

This table is designed as a reference to determine the optimal counterstain/substrate combination for your application.

| Substrate                      | Substrate Cat. No | VECTOR® Hematoxylin and Hematoxylin QS H-3401 and H-3404 | VECTOR® Methyl Green H-3402     | VECTOR® Nuclear Fast Red H-3403 |
|--------------------------------|-------------------|----------------------------------------------------------|---------------------------------|---------------------------------|
| ImmPACT™ DAB (brown)           | SK-4105           | Excellent Contrast                                       | Excellent Contrast              | Fair Contrast                   |
| DAB (brown)                    | SK-4100           | Excellent Contrast                                       | Excellent Contrast              | Fair Contrast                   |
| DAB-Ni (gray-black)            | SK-4100           | Excellent Contrast                                       | Fair Contrast *                 | Good Contrast                   |
| ImmPACT™ AEC (red)             | SK-4205           | Excellent Contrast                                       | Counterstain Incompatibility ** | Color Incompatibility           |
| ImmPACT™ AMEC <i>Red</i> (red) | SK-4285           | Excellent Contrast                                       | Counterstain Incompatibility ** | Color Incompatibility           |
| AEC (red)                      | SK-4200           | Excellent Contrast                                       | Counterstain Incompatibility ** | Color Incompatibility           |
| TMB (blue)                     | SK-4400           | Color Incompatibility                                    | Counterstain Incompatibility    | Excellent Contrast              |
| ImmPACT™ VIP (purple)          | SK-4605           | Fair Contrast                                            | Excellent Contrast              | Poor Contrast                   |
| VECTOR® VIP (purple)           | SK-4600           | Fair Contrast                                            | Excellent Contrast              | Poor Contrast                   |
| ImmPACT™ SG (blue-gray)        | SK-4705           | Poor Contrast                                            | Good Contrast                   | Excellent Contrast              |
| VECTOR® SG (blue-gray)         | SK-4700           | Poor Contrast                                            | Good Contrast                   | Excellent Contrast              |
| ImmPACT™ NovaRED™ (red)        | SK-4805           | Excellent Contrast                                       | Excellent Contrast ***          | Color Incompatibility           |
| VECTOR® NovaRED™ (red)         | SK-4800           | Excellent Contrast                                       | Excellent Contrast ***          | Color Incompatibility           |
| VECTOR® RED (magenta)          | SK-5100           | Excellent Contrast                                       | Excellent Contrast              | Color Incompatibility           |
| VECTOR® BLACK (black)          | SK-5200           | Excellent Contrast                                       | Excellent Contrast *            | Excellent Contrast              |
| VECTOR® BLUE (blue)            | SK-5300           | Color Incompatibility                                    | Good Contrast                   | Excellent Contrast              |
| BCIP/NBT (indigo)              | SK-5400           | Color Incompatibility                                    | Excellent Contrast *            | Excellent Contrast              |
| Glucose Oxidase NBT (indigo)   | SK-3100           | Color Incompatibility                                    | Excellent Contrast              | Excellent Contrast              |
| Glucose Oxidase TNBT (black)   | SK-3200           | Excellent Contrast                                       | Excellent Contrast              | Excellent Contrast              |

- \* This substrate shows a slight decrease in sensitivity following the methyl green protocol. This decrease can be minimized by reducing the heat incubation and acetone rinse times in the methyl green protocol.
- \*\* Substrate dissolves in acetone wash.
- \*\*\* A slight color change in ImmPACT™ NovaRED™ and Vector® NovaRED™ reaction product may be seen using methyl green.

Counterstains should be optimized for each tissue type, antigen unmasking protocol, and immunocytochemical staining intensity desired.

## Optimize Counterstain Intensity

## CITATIONS

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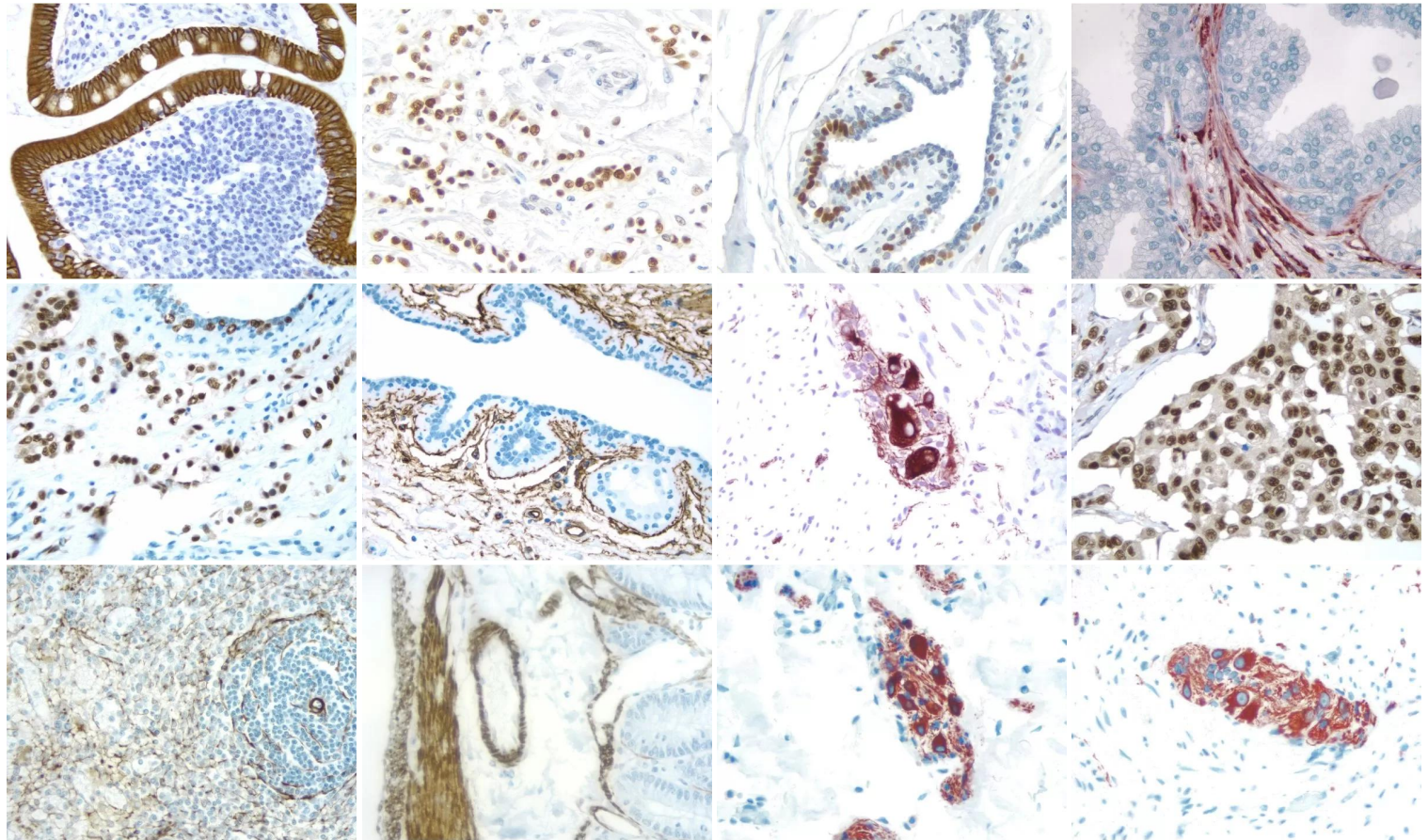


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## DOCUMENTS

- [User Guide](#)
- [Counterstain/Substrate Compatibility Chart](#)
- [Safety Data Sheet](#)
- [Download CoA](#)
- [Datasheet](#)

## GALLERY IMAGES



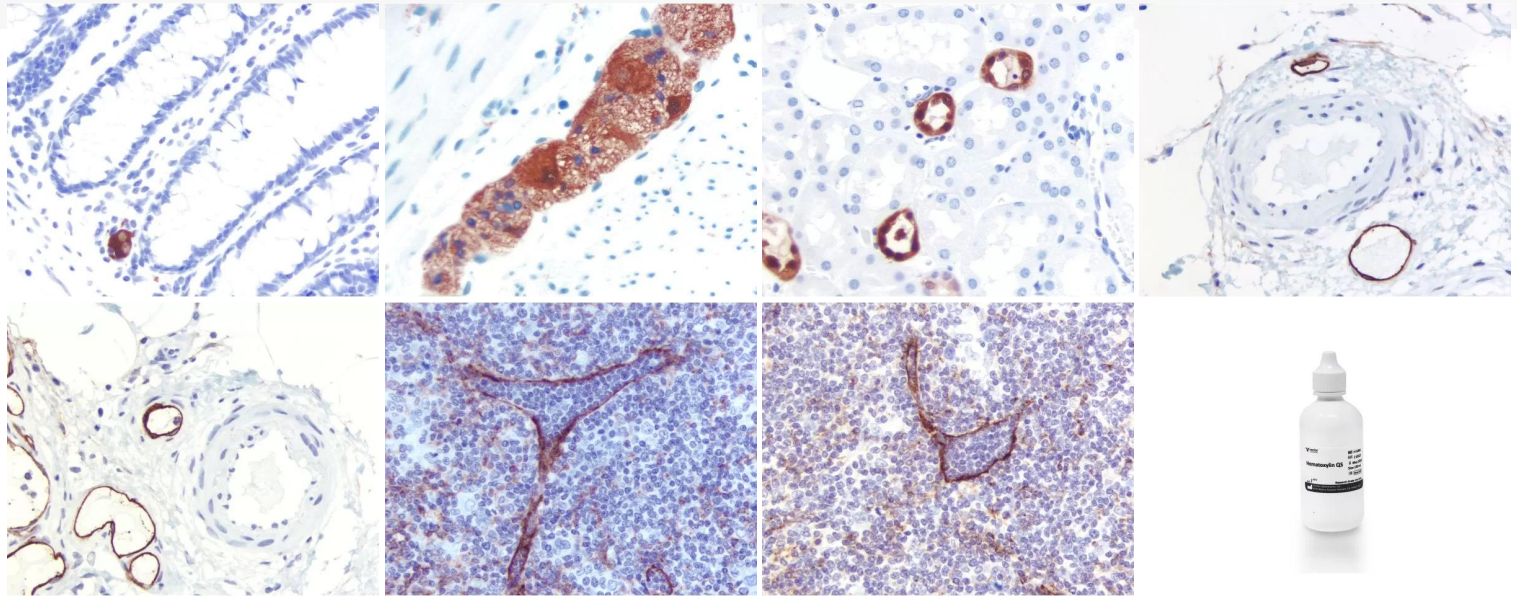
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