

| | | Vector® Hematoxylin & Hematoxylin QS H-3401, H-3404 | Vector® Methyl Green H-3402 | Vector® Nuclear Fast Red H-3403 |
|-----------------------------------|-------------|--|-----------------------------------|---------------------------------------|
| Substrate | Catalog No. | | | |
| DAB (brown) | SK-4100 | Excellent Contrast | Excellent Contrast | Fair Contrast |
| DAB-Ni (gray/black) | SK-4100 | Excellent Contrast | Fair Contrast* | Good Contrast |
| AEC (red) | SK-4200 | Excellent Contrast | Counterstain Incompatibility** | Color Incompatibility |
| TMB (blue) | SK-4400 | Color Incompatibility | Counterstain Incompatibility | Excellent Contrast |
| VECTOR® VIP (purple) | SK-4600 | Fair Contrast | Excellent Contrast | Poor Contrast |
| VECTOR® SG (blue/gray) | SK-4700 | Poor Contrast | Good Contrast | Excellent Contrast |
| VECTOR® NovaRED™ (red) | SK-4900 | Excellent Contrast | Excellent Contrast*** | Color Incompatibility |
| VECTOR® RED (red) | SK-5100 | Excellent Contrast | Excellent Contrast | Color Incompatibility |
| VECTOR® BLACK (brown/black) | SK-5200 | Excellent Contrast | Excellent Contrast* | Excellent Contrast |
| VECTOR® BLUE (blue) | SK-5300 | Color Incompatibility | Good Contrast | Excellent Contrast |
| BCIP/NBT (blue/violet) | SK-5400 | Color Incompatibility | Excellent Contrast* | Excellent Contrast |
| GLUCOSE OXIDASE NBT (purple/blue) | SK-3100 | Color Incompatibility | Excellent Contrast | Excellent Contrast |
| GLUCOSE OXIDASE TNBT (black) | SK-3200 | Excellent Contrast | Excellent Contrast | Excellent Contrast |
| GLUCOSE OXIDASE INT (red/purple) | SK-3300 | Good Contrast | Counterstain Incompatibility** | Fair 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.

** Substrate dissolves in acetone wash.

***A slight color change in 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.