

## Avidin/Biotin Blocking System

### INTENDED USE

For In Vitro Diagnostic Use

### AVAILABILITY:

<u>Catalog #</u>	<u>Volume</u>
TA-015-BB (150 slides)	15 ml Avidin Block (TA-015-BBA) 15 ml Biotin Block (TA-015-BBB)

### DESCRIPTION

In the demonstration of tissue antigens by IHC, the evaluation of specific staining is sometimes impeded by the presence of endogenous biotin, which may lead to an erroneous interpretation or false positive results. This blocking system is intended for use in immunohistochemical staining to block nonspecific staining due to endogenous biotin during the IHC detection of antigens.

### WARNINGS & PRECAUTIONS

Refer to MSDS.

### STORAGE & SHELF LIFE

Store at 4-6°C. Each component is stable for 18 months.

### MICROBIOLOGICAL STATE

Product(s) not sterile.

### MATERIALS REQUIRED BUT NOT PROVIDED

N/A

### SPECIMEN & REAGENT PREPARATION

Refer to Procedure.

### PROCEDURE

Immunohistochemical Staining Protocol:

1. Perform the A-B blocking step prior to the primary antibody. If a protein block is used before the primary, add the A-B block prior to the protein-blocking step.
2. Incubate tissue sections with **Avidin Block** for 10-15 minutes.
3. Wash 2 times with buffer.
4. Incubate tissue sections with **Biotin Block** for 10-15 minutes.
5. Wash 2 times with buffer.
6. Apply primary antibody to the tissue section.

### REFERENCES

*Suppression of endogenous avidin-binding activity in tissues and its relevance to biotin-avidin detection systems.* Wood GS and Warnke R, J Histochem Cytochem. 1981 Oct;29(10):1196-204.

### TROUBLESHOOTING

Please contact Thermo Fisher Scientific Technical Support by phone (1-510-991-2800 or 1-800-828-1628) or by email (lab.reagents@thermofisher.com).