

PowerVision™ Universal IHC Blocking/Diluent
Cat No.: PV6123 (BD09-1000) (1000 mL, Ready-to-Use)

I. INTENDED USE

For Research Use only. Not for use in diagnostic procedures.

Universal IHC Blocking/Diluent is intended for enhancement of chromogenic detection of targeted antigens bound by a user supplied primary antibody and detection system.

II. INTRODUCTION

Universal IHC Blocking/Diluent is formulated to stabilize antibodies and eliminate backgrounds encountered in immunohistochemistry (IHC) by blocking non-specific protein-protein interactions. It can be used as pre-blocking applied before primary antibodies or as diluent for primary antibodies. If primary antibodies are diluted in this diluent, a blocking step before primary antibodies can generally be omitted. The diluent can be used to dilute HRP-conjugates as well as other solutions that need stabilizing carrier proteins. The diluent contains no detergent.

III. HANDLING, STORAGE AND SHELF LIFE

Storage Conditions: All reagents are to be stored at 2-8°C. Void after expiration date as specified on the label.

Precautions: This solution does not contain reportable hazardous ingredients. However, it contains goat serum and should be handled as if capable of transmitting infection and disposed of with proper precautions. Use a safety device for all pipetting. Never pipette by mouth. Wear disposable gloves during staining procedures. Avoid contact of reagents and specimens with the skin and mucous membranes. If reagents or specimens come in contact with sensitive areas, wash with plenty of water.

IV. REAGENTS AND MATERIALS NEEDED BUT NOT SUPPLIED

PowerVision Poly-HRP and Poly-AP IHC Detection Systems (biotin-free)

PowerVision+ Poly-HRP and Poly-AP IHC Detection Systems (biotin-free, outstanding sensitivity)

Primary antibodies

V. WARNINGS AND PRECAUTIONS

**Universal IHC Blocking/
Diluent**

Contains 0.01%

2-methylisothiazol-3(2H)-one.

GHS07: Exclamation mark.

Signal words: Warning.

H317: May cause an allergic skin reaction.

P261: Avoid breathing mist.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water.

P333+P313: If skin irritation or rash occurs: Get medical attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P501: Dispose of contents/container to hazardous or special waste collection point.

Please note: This reagent contains the biocidal product ProClin™ 950 at 0.1%. The active substance present in ProClin™ 950 is 2-methylisothiazol-3(2H)-one. The ProClin™ 950 biocide is present in this reagent to prevent contamination with microbial organisms.

VI. PROCEDURES

Consult the primary antibody data sheet for recommended pretreatment information. The tissue sections should not be allowed to dry out at any point after rehydration. All procedures are performed at room temperature (18-26 °C).

Used as primary antibody diluent:

1. Dilute primary antibodies in the diluent on the day of use.
2. Apply 100µl or enough to cover tissue sections and incubate for 30-60 min. at room temperature.
3. Proceed to secondary detection reagents per data sheet's instructions.

Used as pre-blocking:

1. Apply 100µl or enough to cover tissue sections and incubate for 10 min.
2. Proceed to primary antibody incubation and secondary detections per data sheets' instructions.

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VII. LIMITATIONS

Universal IHC Blocking/Diluent helps reduction of non-specific staining in IHC procedures. However, inconsistent results may be due to variation in fixation, embedding, primary antibody reactivity and detection method employed, as well as from inherent variations in tissue. Leica Biosystems warrants that the materials meet our performance specifications until the expiration. No other warranties or guarantees, expressed or implied, are provided, including warranties for merchantability or fitness for a particular purpose.