

## intelliPATH™ Multiplex Secondary Reagent 2

Mouse-HRP + Rabbit-AP Polymer Detection  
901-IPSC5004-073117

<b>Catalog Number</b>	<b>IPSC 5004 G20, G80</b>
<b>Description</b>	20, 80 ml, Ready-to-use

### Intended Use

For In Vitro Diagnostic Use

### Summary & Explanation:

The conjugated goat anti-mouse polymer horseradish peroxidase (HRP) and the conjugated goat anti-rabbit polymer alkaline phosphatase (AP) secondary antibodies react with both heavy and light chains on mouse and rabbit IgG. The innovative HRP and AP-polymerization technology provides a significant increase in staining sensitivity when compared to conventional HRP- or AP-conjugated secondary antibodies. Avidin-biotin blocking procedures are not necessary when using the multiplex conjugated secondary antibodies. The intelliPATH™ Multiplex Secondary Reagent 2 is designed for use on the intelliPATH automated stainer, in conjunction with a cocktail consisting of a mouse monoclonal antibody and a rabbit polyclonal/monoclonal antibody. This method provides a rapid, 4-step staining procedure that can be completed in less than two hours.

### Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

### Supplied As:

intelliPATH™ Multiplex Secondary Reagent 2 (IPSC5004G20) 1x20ml

intelliPATH™ Multiplex Secondary Reagent 2 (IPSC5004G80) 4x20ml

### Materials and Reagents Needed But Not Provided:

Microscope barrier slides, positively charged

Desert chamber\* (Drying oven)

Positive and negative tissue controls

Xylene (Could be replaced with a xylene substitute\*)

Ethanol or reagent alcohol

Decloaking chamber\* (Pressure cooker)

Deionized or distilled water

Wash buffer\*

Pretreatment Reagents\*

Enzyme Digestion\*

Peroxidase block\*

Protein block\*

Primary antibody\*

Negative Control Reagents\*

Chromogens\*

Hematoxylin\*

Bluing Reagent\*

Mounting media\*

\* Biocare Medical Products: Refer to a Biocare Medical catalog for further information regarding catalog numbers and ordering information. Certain reagents listed above are based on specific application and detection system used.

### Species Reactivity:

Mouse and Rabbit IgG heavy and light chains

### Storage and Stability:

Store at 2°C to 8°C. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user.

### Protocol Recommendations:

**Deparaffinization:** Deparaffinize slides in Slide Brite or xylene. Hydrate slides in a series of graded alcohols to water.

### Protocol Recommendations:

**Pretreatment Solution/Protocol:** Please refer to the respective prediluted multiplex cocktail datasheet for recommended pretreatment solution and protocol.

**Peroxide Block:** Block for 5 minutes at room temperature (RT).

**Primary Antibody Cocktail:** Please refer to the respective prediluted multiplex cocktail datasheet for incubation time.

**Secondary:** Apply intelliPATH Multiplex Secondary Reagent 2. Incubate for 15-30 minutes at RT.

**Chromogen (1):** Apply intelliPATH DAB for 5 minutes.

**Chromogen (2):** Apply intelliPATH Fast Red (15-20 min) or intelliPATH Warp Red (5-7 min).

**Counterstain:** Rinse with deionized water. Incubate for 5 minutes with automated Hematoxylin. Rinse with TBS Buffer for 1 minute followed by a rinse with deionized water.

### Technical Notes:

1. Use TBS wash buffer. PBS-based wash buffers will inhibit alkaline phosphatase staining.

### Performance Characteristics:

The protocols for a specific application can vary. These include, but are not limited to: fixation, heat-retrieval method, incubation times, tissue section thickness and detection kit used. Due to the superior sensitivity of these unique reagents, the recommended incubation times and titers listed are not applicable to other detection systems, as results may vary. The data sheet recommendations and protocols are based on exclusive use of Biocare products. This reagent has not been validated with heat (37-42°C). Ultimately, it is the responsibility of the investigator to determine optimal conditions. These products are tools that can be used for interpretation of morphological findings in conjunction with other diagnostic tests and pertinent clinical data by a qualified pathologist.

### Protocol Notes:

N/A

### Quality Statement:

Biocare protocols have been standardized using Biocare antibodies, detection and ancillary reagents on the intelliPATH automated stainer. Recommended staining protocols are specified in the datasheet of the antibody of interest. Pre-optimized intelliPATH protocols with preset parameters can be displayed, printed and edited according to the procedure in the operator's manual. Refer to the operator's manual for additional instruction to navigate intelliPATH software and stainer.

### Performance Characteristics:

The protocols for a specific application can vary. These include, but are not limited to: fixation, heat-retrieval method, incubation times, tissue section thickness and detection kit used. Due to the superior sensitivity of these unique reagents, the recommended incubation times and titers listed are not applicable to other detection systems, as results may vary. The data sheet recommendations and protocols are based on exclusive use of Biocare products. This reagent has not been validated with heat (37-42°C). Ultimately, it is the responsibility of the investigator to determine optimal conditions. These products are tools that can be used for interpretation of morphological findings in conjunction with other diagnostic tests and pertinent clinical data by a qualified pathologist.

## **intelliPATH™ Multiplex Secondary Reagent 2**

Mouse-HRP + Rabbit-AP Polymer Detection  
901-IPSC5004-073117

### **Quality Control:**

Refer to CLSI Quality Standards for Design and Implementation of Immunohistochemistry Assays; Approved Guideline-Second edition (I/LA28-A2). CLSI Wayne, PA, USA ([www.clsi.org](http://www.clsi.org)). 2011