

## BrightVision Ultimate plus, two component detection system Goat Anti-Mouse/Rabbit IgG HRP plus DAB (Ready-to-Use)

### Instruction For Use

**These instructions apply to the WellMed BrightVision Ultimate plus; two steps detection system Goat Anti- Mouse/Rabbit HRP (Ready-to-Use) plus DAB.**

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#### 1: Intended Use

For Research use Only.

WellMed BrightVision Ultimate plus two steps component detection system, peroxidase Goat Anti-Mouse/Rabbit IgG HRP and DAB, is intended for use in immunohistochemistry.

#### 2: Summary and explanation

WellMed BrightVision Ultimate plus detection system, peroxidase Goat Anti-Mouse/Rabbit HRP plus DAB, is a Ready-to-Use system that has been manufactured to give an optimal staining, when using the protocol advised in this IFU.

Prior to staining some routine fixed, paraffin-embedding tissue sections should be subjected to pre-treatment (HIER or digestive enzyme).

The BrightVision Ultimate plus detection system detects Mouse or Rabbit bound to an antigen in tissue sections. The antibodies are not provided but it is recommended to use the WellMed-antibodies. This polymer-complex is then visualized with a suitable substrate/chromogen.

This product should be interpreted by a qualified pathologist with relevant clinical information, morphological and histological studies and with proper controls.

#### 3: Kit component

BrightVision Ultimate plus, two steps detection system, Goat Anti-Mouse/Rabbit HRP (Ready-to-Use) plus DAB.

#### 4: Availability

Catalog Number	Contents	Volume
UBVB55HRP-RUO	BrightVision Ultimate plus, two steps detection system, Goat anti-Mouse/Rabbit HRP (Ready-to-Use) plus DAB <ol style="list-style-type: none"> <li>1. Post-blocking (ready-to-use)</li> <li>2. Polymer Goat anti-Mouse/Rabbit HRP (Ready-to-Use)</li> <li>3. DAB Solution A: Buffered H<sub>2</sub>O<sub>2</sub> (Ready-to-Use)</li> <li>4. DAB Solution B: Concentrated DAB solution</li> </ol>	55 ml 55 ml 83 ml 4 ml
UBVB110HRP-RUO	BrightVision Ultimate plus, two steps detection system, Goat anti-Mouse/Rabbit HRP (Ready-to-Use) plus DAB	

UBVB500HRP-RUO	1. Post-blocking (ready-to-use)	110 ml
	2. Polymer Goat anti-Mouse/Rabbit HRP (Ready-to-Use)	110 ml
	3. DAB Solution A: Buffered H <sub>2</sub> O <sub>2</sub> (Ready-to-Use)	165 ml
	4. DAB Solution B: Concentrated DAB solution	7,5 ml
UBVB999HRP-RUO	BrightVision Ultimate plus, two steps detection system, Goat anti-Mouse/Rabbit HRP (Ready-to-Use) plus DAB	
	1. Post-blocking (ready-to-use)	500 ml
	2. Polymer Goat anti-Mouse/Rabbit HRP (Ready-to-Use)	500 ml
	3. DAB Solution A: Buffered H <sub>2</sub> O <sub>2</sub> (Ready-to-Use)	750 ml
	BrightVision Ultimate plus, two steps detection system, Goat anti-Mouse/Rabbit HRP (Ready-to-Use) plus DAB	
	1. Post-blocking (ready-to-use)	1000 ml
	2. Polymer Goat anti-Mouse/Rabbit HRP (Ready-to-Use)	1000 ml
	3. DAB Solution A: Buffered H <sub>2</sub> O <sub>2</sub> (Ready-to-Use)	1500 ml
	4. DAB Solution B: Concentrated DAB solution	68 ml

## 5: Recommended Staining Protocol

Step	Reagent	Template step	Incubation time
1	Deparaffinize and rehydrate tissue section	Slide/tissue preparing	-
2	Wash Aqua dest	Wash	-
3	If applicable; HIER or digestive enzyme	Pre-treatment	-
4	Wash buffer	PBS or TBS buffer	2x 5min
5	H <sub>2</sub> O <sub>2</sub>	Tissue preparing	10 min
6	Wash buffer	PBS or TBS buffer	2x 5 min
7	Primary mouse or rabbit antibody	Antibody	30 min
8	Wash buffer	PBS or TBS buffer	2x 5 min
9	<i>Detection system, step 1, post-blocking</i>	Post-blocking	15 min
10	Wash buffer	PBS or TBS buffer	2x 5 min
11	<i>Detection system, step 2, polymer Mouse/Rabbit HRP</i>	Labeled polymer	30 min
12	Wash buffer	PBS or TBS buffer	2x 5 min
13	<i>Substrate</i>	DAB	8 min
14	Wash aqua dest	Wash	2x 2 min
15	Hematoxylin	Auxiliary	1 min
16	Wash aqua dest	Wash	-
17	Dehydrate and coverslipper	-	-

## 6: Control slides

A positive control, negative control and reagent control are needed and processed in the same way as the unknown specimen slide to interpret staining results.

## 7: Storage

Store at 2-8 °C and in the dark. Do not use after expiration date.

## 8: Warnings and precautions

Refer to SDS.

## 9: Troubleshooting

Please contact WellMed by phone or by email.

## 10: Reference

- 1) Shan-Rong Shi, James Guo, Richard J.cote, Lillian Young, Debra Hawes, Yan Shi, Sandra Thu and Clive R. Taylor, Applied Immunohistochemistry & Molecular Morphology, vol 7,201-208,1999

### Note:

Preparation DAB: Add 40µl DAB Solution B (one drop) to 1 ml substrate Solution A, mix well. Volume and the quality of the Bright DAB has been formulized so they also can be used in automatic stainers, when a higher volume is required.