

IMPATH DAB OB SUPER SENS. DETECT. KIT



Product Availability

Cat. No. 46538
Size 100 Tests

Intended Use

For In Vitro Diagnostic Use.

Description

ImPath DAB OB Super Sensitive Detection kit is a system for deparaffinization, detection, and visualization. It is intended for use in immunohistochemistry in conjunction with the ImPath36. The dual link system detects primary mouse and rabbit antibodies and the reaction is visualized by DAB Chromogen. Target retrieval solution (Catalog number 44999 or 44998) or DS Enzyme (Catalog number 44997), primary antibodies, and wash buffer (Catalog number 45003 or 45002) are required, but not provided in the kit. These products are used in an immunohistochemical (IHC) procedure, which allows the qualitative identification by light microscopy of antigens in sections of formalin-fixed, paraffin embedded tissue, via sequential steps with interposed washing steps. On the ImPath 36, paraffin will be removed from the formalin-fixed, paraffin embedded tissues. If required by the primary antibody, sections are subjected to epitope retrieval prior to staining. The section is subsequently incubated with optimally diluted primary antibody. ImPath polymer enhancer is used to enhance penetration of the subsequent polymer reagent. The HRP 2-step Polymer recognizes mouse and rabbit immunoglobulins, it detects any tissue-bound primary antibody.

Sections are further incubated with the substrate/chromogen, 3,3'-diaminobenzidine (DAB). Reaction with the peroxidase produces a visible brown precipitate at the antigen site.

Sections are counterstained with Hematoxylin containing DAB enhancer, the brown precipitate will turn to dark color. The sections are removed from the ImPath36 and coverslipped. Results are interpreted using a light microscope and aid in the differential diagnosis of pathophysiological processes, which may or may not be associated with a particular antigen.


Summary and Explanation

IHC (Immunohistochemistry) is a commonly used technique supporting the identification of antigens present on the tissue or cells.

It is the responsibility of the operator to identify the best working conditions and the best reagents to perform the staining run.

Reagents Provided


Component	Quantity per kit
Dewax Solution 1a	1(one)
Dewax Solution 1b	1(one)
BS Buffer	1(one)
Polymer Enhancer	1(one)
HRP 2-Step Polymer (Universal)	1(one)
DAB Substrate (2x)	1(one)
DAB Chromogen (2x)	1(one)
Hematoxylin	1(one)

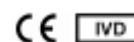
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Dilution and Mixing

All the ImPath Solutions in the kit are ready-to-use. Number of tests is programmed with RFID on each vial. No further dilution is required.

Storage and Stability

Store at 2-8°C. Do not freeze. The reagents must be returned to the storage conditions identified above immediately after use. When properly stored, the reagents are stable to the date indicated on the label.

Warning and Precautions

ImPath Solutions are harmful and irritating to the eyes, respiratory system and skin. It may cause lung and stomach damage if ingested. **Wear disposable gloves when handling reagents.** MSDS are available from your local representative upon request. There are no express or implied warranties which extend beyond this datasheet. . A. Menarini Diagnostics is not liable for personal injury, property damage or economic loss caused by this product.

Instruction for Use

Reagents for IHC procedures

Dilute (20x)wash buffer by mixing 19 portions of distilled water with 1 portion of the wash buffer to final 1x. Fill the wash buffer bottle from the instrument with the 1x wash buffer, screw the cap connected with tubing. Place the bottle in the designated area of the instrument.

Pull the Reagent Rack that has the required RFID tagged solution vials from refrigerator, remove the caps from the vials and place the Reagent Rack onto the ImPath 36.

Turn on the unit, log in, press **Prepare Labels** to prepare the slide labels, place them on the slides, press **Load Slides**, put slides on the modules, press **Scan Slides**, then press **Scan Reagents** and allow the RFID Reader to identify and register the products, check on the required wash buffer and waste container, press **Start Staining Process**, or press **Delayed Start** and set the finished time you want, or click **Return to Main Screen** and press **Start**. The staining process is fully automated.