ImmunoBioScience Corp. (IBSC) *DATA SHEET* **Diaminobezidine-Nickel (DAB-Ni) Kit (Three components, liquid)**

**Catalog number:** AR-8208- 01 Reagent B: concentrated Buffer 5 ml (blue color cap)

Reagent C: DAB chromogen concentrated 5 ml (purple color cap)

Reagent S: substrate, H2O2 3 ml (white color cap)

**Description**: Peroxidase chromogen-substrate 3-3´ diaminobezidine (DAB) nickel reagent is an excellent chromogen system that is used in Immunohistochemistry (IHC) and Immunocytochemistry (ICC). This chromogen system gives dark brown to almost black color. This chromogen with above counterstains are insoluble in alcohol and organic solvents (dehydrating agents); therefore can be mounted with organic mounting mediums; e.g. our Organo mounting medium (AR-6504) or others. DAB Nickel can also be mounted with aqueous mounting medium (AR-6503) if hematoxylin is used as counter stain. Methyl green (AR-6526) gives better contrast as counterstain for this chromogen (use organic mounting medium).

***Please note hematoxylin and methylene blue give blue color and may not give much***

***Contrast from DAB/Nickel dark brown black color***

**Intended Use**: **Immunohistochemistry (IHC) and Immunocytchemistry (ICC)**

**Storage: 2-8°C**

**Mixing of reagent:**

1. To five ml of distilled or deionized water in a test tube, add two drop of reagent B, mix well.
2. Add five drops of DAB (Reagent C) mix.

Add one drop of reagent S mix well. This ready-to-use reagent is good for several hours. *The unused DAB solution can be discarded according to city, county, state, province or country’s regulations*

**Application:** IHC, ICC

1. After the peroxidase reaction, wash slide with buffer (this buffer should not contain any sodium azide because peroxidase is inactivated) and distilled/ deionized water.
2. Add few drops of ready to use DAB reagent, incubate at RT or 37ºC for 5-10 minutes.
3. Wash 2-5X with buffer, followed by rinsing with distilled/deionized water.
4. Add counterstain compatible with DAB, we use hematoxylin 30-60 seconds (cat. # AR-6521) or any counterstain.
5. Wash with tap water, buffer pH 7.4 or over, followed by rinsing with distilled/deionized water.
6. Mount slide with aqueous mounting medium or organic mounting medium, after dehydration as described in the protocol for mounting medium.

***The optimum time of incubation for DAB-Ni should be determined by the individual lab.***

***The slide can be mounted with organic or aqueous mounting medium; depending upon what counterstain is used (please refer to counterstain protocol).***

**Limitation and warranty:** Our warranty is limited to the actual price paid for the product. We are not liable for any property damage, personnel injury, time, effort or economic loss due to our product.

**MSDS:** Avoid skin and eye contact with all laboratory products. Use appropriate lab. gear, lab coat , gloves and safety glasses. Do not ingest any lab. products. This product is not approved for administration in human or animals.

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**“*In vitro* laboratory products for research”**

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