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| Instructions For Use ACK-IFU | | |
| Rev. Date: Jan. 23, 2017 | Revision: 4 | Page 1 of 2 |

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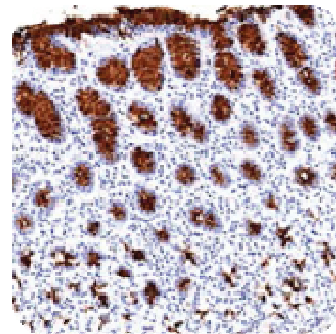
DAB Chromogen/Substrate Bulk Pack

Description:

This product has been developed for applications that require excellent contrast between the chromogen and Hematoxylin counterstain. The resulting stain is a dark brown precipitate that is darker and more sensitive than other commercially available DAB Chromogen products. 3,3'Diaminobenzidine (DAB) is a widely used chromogen for immunohistochemical staining and immunoblotting. When in the presence of peroxidase enzyme, DAB produces a brown precipitate that is insoluble in alcohol. This product is available in a two component form consisting of a liquid, refrigerator stable DAB Chromogen and DAB Substrate. The use of liquid components reduces some risks associated with handling powders (ie. dust inhalation), and eliminates waste which often results from using tablets that require a predetermined final volume.

Uses/Limitations:

Not to be taken internally.
 For In Vitro Diagnostic use.
 Histological applications.
 Do not use if reagents become cloudy.
 Do not use past expiration date.
 Use caution when handling reagents.
 Non-Sterile.



Control Tissue:

Any well fixed paraffin embedded or frozen tissue section.

Ordering information regarding individual components on back page!


Kit Options:

| <u>Item #</u> | <u>Component</u> | <u>Volume</u> | <u>Storage</u> |
|---------------|---------------------------|---------------|----------------|
| ACK500 | DAB Substrate | 500 ml | 2-8°C |
| | DAB Chromogen Concentrate | 30 ml | 2-8°C |
| ACK999 | DAB Substrate | 1000 ml | 2-8°C |
| | DAB Chromogen Concentrate | 60 ml | 2-8°C |

Precautions:

Avoid contact with skin and eyes.
 Harmful if swallowed.
 Follow all Federal, State, and local regulations regarding disposal.

Storage: 2° C  8° C

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Procedure:

1. Combine 50µl of DAB Chromogen to each 1ml of DAB Substrate. Combined mixture may be used for up to six hours.

NOTE: Range = 50-80µl of DAB Chromogen / 1 ml of DAB Substrate.

50µl /ml produces optimal staining quality, 80µl/ml produces maximum sensitivity.

OPTIONAL: For additional sensitivity, add 20µl of DAB Enhancer (cat.# ACM030) to each 1ml of mixed solution.

2. Dip slide one time in DI/Distilled water immediately prior to application of DAB.
3. Apply mixture to tissue section.
4. Incubate tissue section for 5 minutes.
5. Rinse slide using DI/Distilled water.
6. Apply mixture and incubate for another 5 minutes.
7. Rinse slide in two changes of DI/Distilled water.
8. Counterstain as desired.
9. Dehydrate through graded alcohol, clear and coverslip in synthetic medium.


References:

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
Bulk Reagent Ordering Information and Current Pricing at www.scytek.com

| Description: | Catalog # | Volume |
|---------------------------|-----------|---------|
| DAB Chromogen Concentrate | ACB030 | 30 ml |
| | ACB060 | 60 ml |
| | ACB125 | 125 ml |
| | ACB500 | 500 ml |
| DAB Substrate | ACC500 | 500 ml |
| | ACC999 | 1000 ml |

Storage: 2° C  8° C


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