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DEVELOPING KIT ALKALINE IMMUNOPHOSPHATASE - AP (RED)

PRESENTATION:

The commercialised presentations for this product include the following¹:

Reference	Determinations	AP Substrate Buffer	AP Chromogen
MAD-001815QK	500	125 mL	4 mL
MAD-001818QK	100	25 mL	1 mL

Kit components:

AP Substrate Buffer (*READY TO USE*).
Concentrated AP Chromogen.

SPECIFICITY, INTERFERENCES AND LIMITATIONS:

This developing kit is recommended for immunohistochemical staining and *in situ* hybridization methods based on alkaline phosphatase (AP).

Once the chromogen is oxidised, a potentially soluble red product is obtained. An increase or decrease in the ratio between chromogen and substrate, exposure to intense light or the preparation of the substrate/chromogen mixture well in advance may affect the degree/intensity of the specific and background noise staining intensity in the final reaction. For this reason it is recommended to perform the development in conditions of not very intense illumination and to prepare the mixture not more than 30 minutes before its use.

PRODUCT APPLICATION AND COMPOSITION:

During the development phase, the location of the antigen-antibody reaction is shown by adding the enzyme substrate and the chromogen.

SUBSTRATE/CHROMOGEN MIXTURE PREPARATION:

- Add **1 drop** of **Concentrated AP Chromogen** to **2.5 mL of Substrate Buffer**.
- Mix well.

Keep this solution away from light. The solution is stable for 30 minutes.

RECOMMENDATIONS FOR USE:

1. Add the AP Chromogen use solution on the tissue section, following the routine protocol. **Incubate for 15 minutes** at room temperature.
2. Rinse the slides with distilled water.
3. Counterstain. Use of contrast haematoxylin alcohol solutions is not recommended.
4. After washing with water, **dry the slides at 50-60°C for at least 30 minutes or for 1 hour at room temperature, rinse in xylene and mount with permanent mounting medium.**

The recommendations given to perform the technique are general, so it is recommended to follow the routine protocols of each laboratory. Using an automated immunostainer, the incubation time with the AP mixture is 15 minutes (using the visualisation kit Ultravision Quanto Phosphatase or Master Polymer Plus AP).

STORAGE:

Store in the refrigerator until the expiry date (at 2-8 °C).

SAFETY RECOMMENDATIONS

This product is intended only for professional use in a laboratory, not as a drug, for domestic use or for other purposes. The current version of the Safety Data Sheet for this product can be downloaded by searching its reference on www.vitro.bio or it can be requested at regulatory.md@vitro.bio.

BIBLIOGRAPHY:

Elias JM "Immunohistopathology – A practical Approach to Diagnosis" ASCP Press 2003.

Nadji M and Morales AR Ann N.Y. Acad Sci 420:134-9, 1983