

ALKALINE PHOSPHATASE Stain Lyophilized powder for histoenzymatic reaction 30 – 30121LY

IVD In-vitro diagnostic medical device **CE**

CND Code: W01030708

working solution volume 10 ml
 procedure time 1 hour and 16 minutes
 storage temperature -20°C
 complementary equipment not requested

Expected aim	Product for the preparation of cyto-histological samples for optical microscopy.																																
Application	Cryostatic sections of 8 micron of human skeletal muscle. Valuation of the alkaline phosphatase activity. Alkaline phosphatase is particularly useful in revealing sites of phagocytosis and inflammation in muscle biopsy specimens.																																
Method	<ol style="list-style-type: none"> 1) Put restoration solution (reagent C) into lyophilized powder (reagent A). 2) Shake until dissolution. 3) Add the reconstituted reagent A solution to the reagent B. Shake until dissolution. 4) Incubate sections in the obtained solution (A+B+C) at 37°C for 1 hour 5) Wash in distilled water 6) Fix in 10% formalin 10 minutes 7) Wash in tap water 5 minutes 8) Mount with aqueous mounting medium. <p>- We recommend using the working solution (step 4 of the method) just prepared and discard after use.</p>																																
Results	Positive alkaline phosphatase enzymatic activityblack Background ochre yellow																																
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Warning and precaution	<p>The product must be used exclusively by specialized technical operators. The product is classified as hazardous. Read with attention the information written on the label (dangerous symbols, risks and safety phrases). Consult always the safety data sheet where the information about the risks of the preparation, precautionary measures during use, first aid and disposal are available. Do not use if primary packaging is damaged.</p>																																
Storage	Store the preparation at -20°C. Keep the containers tightly closed.																																
Stability	When making aliquots of the product and freezing them at -20°C, Bio-Optica does not respond for the loss of activity resulting from this practice. Product validity: 1 year.																																

Disposal

Hazardous preparation: observe all state and local environmental regulations regarding waste disposal.

References

- Engel WK, Cunningham GC. Alkaline phosphatase positive abnormal muscle fibers of humans. J Histochem Cytochem. 1970;18:55-57.

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