

**HYALURONIDASE DIGESTION METHOD  
FOR CARBOHYDRATES & MUCOSUBSTANCES**

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| <b>PURPOSE:</b>              | For In Vitro Diagnostic Use:<br>Intended to remove Hyaluronic Acid, chondroitin 4 sulfate or chondroitin 6 sulfate from tissue.  |
| <b>PRINCIPLE:</b>            | Hyaluronidase is an enzyme which digests the above cell constituents, eliminating their potential to stain.  |
| <b>CONTROL:</b>              | Normal umbilical cord<br><i>Control Slides can be purchased from Histology Control Systems. See inside back cover, Item# cs021.</i>  |
| <b>SPECIMEN PREPARATION:</b> | Formalin fixed, paraffin embedded sections cut at 6 micrometers  |
| <b>SOLUTIONS:</b>            | 1. Lyophilized Hyaluronidase (solid)<br>2. Hyaluronidase Buffer Solution Item# s2191<br><br>Reconstitute 0.05 g of Lyophilized Hyaluronidase with 100 mL of Hyaluronidase Buffer Solution.<br><br><i>Solutions can be purchased separately from Poly Scientific.</i> |
| <b>NOTES:</b>                | <u>k024-8oz kit includes:</u><br>3 each P203.....0.05 g<br>3 each S2191C.....100 mL<br>3 each S2191T.....100 mL  |
| <b>REFERENCE:</b>            | Luna, Lee G. <u>Manual of Histologic Staining Methods of the Armed Forces Institute of Pathology</u> . 3rd Ed. McGraw-Hill Book Co. New York. 1968. p. 172.  |

**STAINING PROCEDURE:**

1. Deparaffinize and hydrate duplicate sections to distilled water.
2. Digest slides in Hyaluronidase Buffer Solution at 37°C for 1 hour. Incubate undigested slides in Hyaluronidase Buffer at 37°C for 1 hour.
3. Wash both sets of slides in running water for 5 minutes.
4. Stain as desired.

**RESULTS:**

Staining attributable to Hyaluronic Acid, chondroitin 4 sulfate or chondroitin 6 sulfate is selectively eliminated.

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