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Verhöeff 弹力纤维染色试剂盒

货号： G1598
规格： 2×100mL
保存： 室温，避光保存，有效期 6 个月。

产品组成：

名称		2×100mL	保存
试剂 A：Verhöeff 染色工作液液	Verhöeff 染色液 A	60mL	室温，避光
	Verhöeff 染色液 B	24mL	室温，避光
	Verhöeff 染色液 C	24mL	室温，避光
临用前，按 A:B:C=5:2:2 混合即为 Verhöeff 染液，2～3h 内使用。			
试剂 B：Verhöeff 分化液		100mL	室温

产品介绍：

弹力纤维广泛分布于机体各个部位，其中最丰富的是皮肤、血管、韧带、气管等处。主要由弹性蛋白组成，因富含弹性且呈细线条状，故称弹力纤维。

Verhöeff 弹力纤维染色试剂盒是一种可以显示较粗大纤维的染色方法。

操作步骤：(*仅供参考*)

1. 石蜡切片脱蜡至水。
2. 切片入配制好的 Verhöeff 染色工作液中浸染 15~30min。自来水洗。
3. 用 Verhöeff 分化液分化 10-20s，至弹力纤维清晰为止。充分自来水洗。
4. 用 95%乙醇处理 2-5 分钟，使黑色弹力纤维更清晰。
5. 可以用自备的复染液或者伊红复染。
6. 无水乙醇快速脱水，二甲苯透明，中性树胶封片。

染色结果：

弹力纤维	蓝紫色到紫黑色
其他组织	根据复染液的不同而不同

注意事项：

1. 大多数固定液均可用于本染色液中的切片固定。
2. Verhöeff 分化液分化时，应在显微镜下控制分化程度，以免过染或淡染。
3. 温的自来水冲洗可以增强纤维着色程度。
4. 为了您的安全和健康，请穿实验服并戴一次性手套操作。

Elastic Fiber Stain Kit(Verhöeff Method)

Cat: G1598
Size: 2×100mL
Storage: RT, avoid light, valid for 6 months.

Kit Components

Reagent		2×100mL	Storage
Reagent(A) ： Verhöeff Working Solution	Verhöeff Solution A	60mL	RT, avoid light
	Verhöeff Solution B	24mL	RT, avoid light
	Verhöeff Solution C	24mL	RT, avoid light
Before use, mix A,B and C as the radio of 5:2:2 to prepare Verhöeff Working Solution. It is recommended to use in 2-3h			
Reagent(B)： Verhöeff Differentiation Solution		100mL	RT

Introduction

In a narrow sense, connective tissue contains three types of fibers: collagen fibers, reticular fibers, elastic fibers. Elastic fibers are found in the lungs, arteries, veins. It is highly refractive, elastic and usually thinner than collagen fibers. Elastic fibers stain well with Gomori aldehyde fuchsin, orcein, resorcin-fuchsin , and Weigert's elastic stain in histological sections.

Elastic Fiber Stain Kit(Verhöeff Method) is used to demonstrate changes in elastic tissue such as atrophy, arteriosclerotic changes, reduplication, breaks, splitting, or to determine whether blood vessels have been invaded by a tumor.

Protocol(*for reference only*)

1. Dewax to distilled water.
2. Soak staining in Verhöeff Working Solution for 15-30 mins.Rinse in tap water.
3. Differentiate in Verhöeff Differentiation Solution, until the elastic fibers are clear. Rinse in tap water.
4. Rinse in 95% alcohol for 2-5min to the make elastic fibers more clear.
5. (*optional*)Re-dyeing with Eosin solution or other counterstain.
6. Dehydrate in absolute alcohol and transparent in xylene , seal with resinene.

Result

Elastic Fibers	Blue purple to purple black
Other Tissue	According to the counterstain

Note

1. Most fixatives can be used to fix the sections in this dye.
2. The degree of differentiation should be controlled under microscope to avoid over staining or light staining.
3. Warm tap water washing can enhance the degree of fiber coloring.
4. For your safety and health, please wear laboratory clothes and disposable gloves.