

Verhoeff 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: Verhoeff 染色工作液	Verhoeff 染色液 A	60mL 室温, 避光
	Verhoeff 染色液 B	24mL 室温, 避光
	Verhoeff 染色液 C	24mL 室温, 避光
临用前, 按 A:B:C=5:2:2 混合即为 Verhoeff 染色工作液, 在 2-3h 内使用完毕。		
试剂 B: Verhoeff 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。

Verhoeff 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 Verhoeff 染色工作液中浸染 15-30min。自来水洗 1min。
3. 用 Verhoeff 分化液分化切片 10-20s, 至弹力纤维清晰为止。蒸馏水洗 1min。
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. Verhoeff 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(Verhoeff Method)

Cat: G1598

Size: 2×100mL

Storage: RT, avoid light, valid for 6 months.

Kit Components

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

Introduction

Elastic fibers are widely distributed in various parts of the body, with the most abundant being the skin, blood vessels, ligaments, trachea, and other areas. Mainly composed of elastin, it is called elastic fiber due to its high elasticity and thin linear shape.

The Elastic Fiber Stain Kit(Verhoeff Method) is a staining method that can display larger fibers.

Protocol(for reference only)

1. Dewax to distilled water.
2. Soak staining in Verhoeff Working Solution for 15-30 mins.Rinse in tap water for 1min.
3. Differentiate in Verhoeff Differentiation Solution for 10-20s, until the elastic fibers are clear. Rinse in distilled water for 1min.
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.

