

姬姆萨染色液 (10×原液)

货号: G1015

规格: 100mL/500mL

保存: 室温保存, 有效期至少 3 年。

产品介绍:

姬姆萨染色液是由天青与伊红组成。各种细胞成分化学性质不同, 对各种染料的亲和力也不一样。嗜酸性颗粒为碱性蛋白质, 与酸性染料伊红结合, 被染成粉红色; 嗜碱性颗粒如细胞核蛋白或淋巴细胞胞浆为酸性物质, 与碱性染料美蓝或天青结合, 被染成紫蓝色; 中性颗粒呈等电状态与伊红和美蓝均可结合, 呈淡紫色。各类成分由于自身特性与姬姆萨染色液中不同物质结合呈现不同颜色从而得以区分。

我公司配制的姬姆萨染色液以进口的姬姆萨色素染料为原料配制而成, 可将细胞核染成紫红色或蓝紫色, 胞浆染成粉红色, 在光镜下呈现出清晰的细胞染色图像。主要用于显示血涂片中各种血细胞形态大小差异, 染色效果好、染色力强、着色清晰。

操作步骤: (仅供参考)

取姬姆萨原液 1ml, 加入 9ml 姬姆萨稀释液充分混匀, 即为姬姆萨工作液, 可直接使用。

1. 按常规方法制备血涂片, 待血膜干后, 用甲醇固定 2-3 分钟。制备的血涂片需厚薄适宜, 分布均匀, 以免影响染色结果。
2. 将血涂片或骨髓涂片放置染色架上, 滴加稀释好的染色液使覆盖全部血膜, 室温染色 15-30 分钟。
3. 用自来水缓慢从玻片一端冲洗(注意勿先倒去染液或直接对血膜冲洗), 晾干后镜检。

注意事项:

1. 为了您的安全和健康, 请穿实验服并戴一次性手套操作。
2. 若染色较弱, 稀释液可使用 0.01M 磷酸氢二钠溶液替代。
3. 如果染色过浓或者过淡, 请自行调整染色时间或姬姆萨工作液浓度。
4. 姬姆萨原液采用常规方法配制并用滤纸过滤, 保存时不要接触到水, 否则时间长了会失效。
5. PH 对细胞染色有影响。染色用载玻片必须清洁, 无酸碱污染以免影响染色结果。

相关产品:

- G1040 瑞氏染色液
- G1020 瑞氏-姬姆萨复合染色液
- G1100 伊红染色液(HE 染色)
- G1140 Cole 苏木素染色液(常规染色)
- G1260 饱和油红 O 染色液

Giemsa Stain Solution(10× Stock Solution)

Cat: G1015

Size: 100mL/500mL

Storage: RT, valid for at least 3 years.

Introduction

Giemsa Stain Solution is composed of azure and eosin. The chemical properties of various cell components are different, and the affinity for various dyes is also different. Eosinophilic granules are basic proteins, which bind with eosin and are dyed pink. Basophilic granules, such as nucleoproteins or lymphocyte cytoplasm, are acidic substances that bind to methylene blue or azure and are dyed purple blue. The neutral granules are isoelectric and can be combined with both eosin and methylene blue, which are light purple. Various components can be distinguished by their own characteristics and the combination with different substances in the Giemsa working solution.

The Giemsa Stain Solution prepared by our company is made from imported Giemsa pigments, which shows a clear image of cell staining under the optical microscope. It is mainly used to show the difference of morphology and size of various blood cells in blood smears. It has good dyeing effect, strong dyeing power and clear dyeing.

Protocol(for reference only)

1. Mix 1 ml Giemsa Stain Solution with 9 ml Giemsa Stain Dilution Buffer as Giemsa Working Solution, which is ready to use.
2. Prepare the blood smears by routine method and dry it, then fix it with methanol for 2-3 min. The prepared blood smear should be of suitable thickness and uniform distribution to avoid affecting the dyeing results.
3. Place the blood or bone marrow smear on the staining rack. Add the Giemsa Working Solution to cover the whole blood smear and stain at room temperature for 15-30 min.
4. Rinse slowly from one side of the section with tap water (be careful not to pour out the dye or rinse the membrane directly), dry and view under the microscope.

Note

1. For your safety and health, please wear experimental clothes and disposable gloves.
2. If the dyeing is too strong or too light, please adjust the dyeing time or the concentration of Giemsa Working Solution by yourself.
3. A small amount of precipitation may occur after dilution, which does not affect the use. It can be washed with water after dyeing.
4. Giemsa Stain Solution is prepared by conventional method and filtered with filter paper. Do not touch water when using. Otherwise, the shelf life will be shortened.
5. PH has an effect on cell staining. The slides used for dyeing must be clean and free from acid and alkali pollution so as not to affect the dyeing results.

Related Products

G1040 Wright Stain Solution

G1020 Wright-Giemsa Stain Solution

G1100 Eosin Y Stain Solution, For HE

G1140 Cole's Hematoxylin Solution (For Conventional Stain)

G1260 Oil Red O Saturated Solution, 0.5%