

姬姆萨稀释液

货号: G1011

规格: 500mL

保存: 室温保存, 有效期至少 3 年。

产品介绍:

姬姆萨染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吉姆萨染液中不同物质结合呈现不同颜色从而得以区分。

操作步骤: (仅供参考)

取姬姆萨浓缩液 1mL, 姬姆萨稀释液 9mL 充分混匀, 即可使用。

1. 按常规方法制备血涂片, 待血膜干后, 用甲醇固定 2~3min。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其覆盖全部血膜, 室温染色 15~30min。
3. 用蒸馏水或 pH6.7-6.8 的 PB 缓冲液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. 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。
3. 原液稀释后可能会出现少量沉淀, 不影响使用; 染色结束用水洗净即可。
4. 姬姆萨原液采用常规方法配制并用滤纸过滤, 请在使用时不要接触到水。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

G1010 姬姆萨染色液(工作液)

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 Dilution Buffer

Cat: G1011

Size: 500mL

Storage: RT, valid for at least 3 years.

Introduction

Giemsa Stain 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.

Protocol (for reference only)

1. Mix 1 part of Giemsa Stock Solution with 9 part of 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 distilled water or PB buffer with pH 6.7-6.8 (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

G1010 Giemsa Stain Solution (Working Suit)

G1100 Eosin Y Stain Solution, For HE

G1140 Cole's Hematoxylin Solution (For Conventional Stain)

G1260 Oil Red O Saturated Solution, 0.5%

