

Heinz 小体染色液(结晶紫法)

货号: G1760

规格: 100mL

保存: -20℃, 避光保存, 有效期 6 个月。

产品介绍:

变性珠蛋白小体又称为血红蛋白包涵体, 实际上是一种变性血红蛋白颗粒, 一般附着在细胞膜上。多发生在敏感个体服用药物或接触化学物质后, 这些药物可导致 Hb 变性。该包涵体也可见于某些不稳定的 Hb 患者, 因此对葡萄糖-6-磷酸脱氢酶缺乏症以及不稳定 Hb 病有一定的确定意义。经该染色液染色后, 呈紫黑色颗粒。该染色液仅用于科研领域, 不宜用于临床诊断或其他用途。

操作步骤: (仅供参考)

1. 取 Heinz 小体染色液(结晶紫法)0.5mL, 滴加新鲜末梢血 2~3 滴, 混匀。37℃水浴 5min。
2. 取 1 滴滴加至载玻片上, 加盖盖玻片。油镜观察。
3. 计算: 计数 500~1000 个红细胞, 并计数 Heinz 小体阳性红细胞个数, 进而计算出 Heinz 小体阳性率。

染色结果:

Heinz 小体	圆形紫黑色颗粒(0.3~2μm)
红细胞	黄绿色

注意事项:

1. 正常人无 Heinz 小体或偶尔见几个细小 Heinz 小体。
2. 一般情况下, Heinz 小体存在于红细胞膜上或散在于红细胞内。
3. 第一次使用本试剂时建议先取 1~2 个样品做预实验。
4. 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

Heinz Body Stain Solution(Crystal Violet Method)

Cat: G1760

Size: 100mL

Storage: -20℃, avoid light, valid for 6 months.

Introduction

Denatured globin bodies, also known as hemoglobin inclusions, are denatured hemoglobin particles, which are generally attached to the cell membrane. It often occurs after sensitive individuals take drugs or contact with chemicals, which can lead to Hb degeneration. The inclusion body can also be seen in some unstable HB patients, so it has certain significance for the determination of glucose-6-phosphate dehydrogenase deficiency and unstable HB disease. After dyeing, the Heinz body is purple black. Heinz body Staining Solution is only used in scientific research field, and is not suitable for clinical diagnosis or other purposes.

Protocol (for reference only)

1. Take 0.5mL Heinz Body Stain Solution (Crystal Violet Method), add 2-3 drops of fresh peripheral blood, mix well. Incubate in water bath at 37 °C for 5mins.
2. Add 1 drop to the slide and cover the slide.
3. View under the oil immersion lens.
4. Calculation: count 500-1000 erythrocytes and count the number of Heinz body positive erythrocytes, then calculate the percentage of Heinz body positive erythrocytes.

Result

Heinz body	Round Purple Black particles (0.3~2μm)
Erythrocyte	Yellow Green

Note

1. There are no Heinz bodies in normal people or a few small Heinz bodies occasionally.
2. Generally, Heinz bodies exist on the erythrocyte membrane or scattered in the erythrocytes.
3. When using this reagent for the first time, it is recommended to take 1-2 samples for pretest before use.
4. For your safety and health, please wear experimental clothes and disposable gloves.