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碳酸锂水溶液(0.05%)

货号： G1840
规格： 500mL
保存： 室温保存，有效期 1 年。

产品介绍：

碳酸锂(Lithium carbonate)分子式为 Li_2CO_3，分子量为 73.89，CAS 号为 554-13-2。可以作为某些化学反应的催化剂，临床上亦有抗躁狂作用。HE 染色或其他组织染色后的返蓝很重要，苏木素在酸性条件下处于红色离子状态，呈红色；在碱性条件下处于蓝色离子状态，呈蓝色。组织切片经盐酸乙醇分化后呈红色或粉红色，故分化之后，立即用水除去组织切片上的酸而中止分化，再用弱碱性水使苏木素染上的细胞核呈现蓝色，这个过程称为返蓝作用或蓝化作用。

碳酸锂水溶液(0.05%)主要由碳酸锂、去离子水组成，经常用于 HE 染色或其他组织染色后的返蓝，是一种非常重要的辅助试剂。

操作步骤：(*仅供参考*)

1. 根据实验具体要求操作，蓝化后应立即用水冲洗干净。
2. 一般蓝化 3-30s 不等，应根据具体组织和切片厚度调整时间。

注意事项：

1. 密闭保存，一旦开启尽快用完，因为其有效成分易挥发。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。

Lithium Carbonate Solution, 0.05%

Cat: G1840
Size: 500mL
Storage: RT, valid for 1 year.

Introduction

The molecular formula of lithium carbonate is Li_2CO3, the molecular weight is 73.89, and the CAS number is 554-13-2. It can be used as a catalyst for some chemical reactions and also has anti manic effect in clinic. It is very important to return blue after HE Staining or other tissue staining. Hematoxylin is in red ion state in acid condition, and in blue ion state in alkaline condition. After differentiation by acid ethanol differentiation solution, the tissue sections are red or pink. So after differentiation, immediately remove the acid ethanol differentiation solution on the tissue sections with water to stop the differentiation, and then use weak alkaline water to make the nucleus stained by hematoxylin appear blue. This process is called bluing.

Lithium Carbonate Solution, 0.05% is mainly composed of lithium carbonate and deionized water. It is often used for the bluing of HE Staining or other tissue dyeing. It is a very important auxiliary reagent.

Protocol (*for reference only*)

1. Operate according to the specific requirements of the experiment, and wash with water immediately after bluing.
2. Bluing generally for 3-30s. The time should be adjusted according to the specific tissue and slice thickness.

Note

1. Store the solution in an airtight condition. Once open, use up as soon as possible, because its effective ingredients are volatile.
2. For your safety and health, please wear experimental clothes and disposable gloves.