

Lithium Carbonate Saturated Solution

Cat #: A-CSH351

Size: 500mL

Storage: Room temperature (12 months)

Product Composition

Component	Size	Store at
Lithium carbonate-saturated aqueous solution	500ml	10~30°C

Product Description

It is important to achieve proper blueing after H&E staining or other tissue staining. Under acidic conditions, hematoxylin is in the form of a red ion and appears red, while under alkaline conditions, it is in the form of a blue ion and appears blue. Tissue sections stained with hematoxylin and differentiated in hydrochloric acid ethanol solution appear red or pink. Therefore, after differentiation, the acid on the tissue sections should be immediately removed with water to stop the differentiation process. Then, a weak alkaline solution is used to turn the nuclei stained with hematoxylin blue. This process is known as blueing or bluing. A saturated lithium carbonate solution, mainly composed of lithium carbonate and deionized water, is commonly used for blueing after H&E staining or other tissue staining. It is an essential auxiliary reagent.

Usage

1. Follow the specific experimental requirements, and rinse thoroughly with water immediately after blueing.
2. The duration of blueing generally ranges from 3 to 30 seconds, depending on the specific tissue and thickness of the sections.

Notes

1. Store in a sealed container and use it as soon as possible after opening, as the active ingredients may volatilize.
2. For your safety and health, please wear laboratory attire and disposable gloves while performing the procedure.

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.