

Lithium Carbonate Solution (0.5%)

Cat #: A-CSH403

Size: 100mL

Storage: Room temperature (12 months)

Product Description

The bluing process is crucial 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 appear red or pink after differentiation in hydrochloric acid ethanol. Therefore, after differentiation, the acid on the tissue sections is immediately removed with water to stop the differentiation process. Then, a weak alkaline solution is used to turn the hematoxylin-stained cell nuclei blue. This process is called bluing or blueing.

Lithium Carbonate Solution (0.5%), also known as bluing reagent, is mainly composed of lithium carbonate and deionized water. It is commonly used for bluing after H&E staining or other tissue staining and is considered an essential auxiliary reagent.

Usage

1. Perform the procedure according to specific experimental requirements. Rinse thoroughly with water immediately after bluing.
2. The bluing time usually ranges from 3 to 30 seconds, depending on the specific tissue and section thickness.

Notes

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

Disclaimer

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