

Hematoxylin Stain Solution

Catalog No:RA20080

Product Information

Hematoxylin Staining Solution is an alkaline dye used in histology for staining cell nuclei. The fundamental principle of staining lies in the fact that nucleic acids within the cell nucleus are negatively charged and acidic, making them prone to binding with the positively charged, alkaline hematoxylin dye, thus becoming stained. With a hematoxylin concentration of 0.5%, the stained nuclei appear vividly blue or bluish-purple.

Basic Information

Product Form	liquid
Size	50mL/100mL/500mL
Storage	RT
Transportation	RT
Validity	18 months

Operation steps

1. According to the experimental requirements, directly apply the hematoxylin staining solution onto the tissue section or experimental sample and stain for 3–5 minutes.
2. After staining, rinse with tap water; then apply hematoxylin differentiation solution for 2–5 s and rinse again with tap water. Finally, add bluing reagent to bring back the blue color (use an alkaline solution such as tap water or PBST).

Notes

1. For your safety and health, please wear a lab coat, disposable gloves and mask during operation.
2. A thin layer of oxidized film on the surface of the staining solution is normal and does not affect the staining results. If a large amount of oxidized film appears on the surface, it is recommended to replace the hematoxylin staining solution with a fresh one.
3. This product is For Research Use Only, Not for Diagnostic Use.