

Helicobacter Pylori Staining Solution (Methylene Blue Method)

Cat #: A-CSH407

Size: 100mL

Storage: 2~8°C, avoid light (3 months)

Product Description

Helicobacter pylori (HP), also known as *Campylobacter pylori*, has been confirmed to have a close relationship with chronic gastritis and peptic ulcers. The bacterium is generally curved, S-shaped, or seagull-shaped, sometimes with 3-4 curved and spiral-shaped bends, often distributed in a fish-like pattern. It is mostly found between the surface epithelium and the mucosal layer of the gastric mucosa, closely adhering to the surface epithelial cells. Some of them enter the cytoplasm of epithelial cells, and the bacteria can also be found in the gastric pits and shallow glandular cavities of the mucosa. Staining methods for *Helicobacter pylori* include methylene blue staining, silver nitrate staining, May-Grunwald-Giemsa (MGG) staining, and alkaline fuchsin staining. Silver nitrate staining provides clear contrast, and the slides can be stored for a long time, but the procedure is cumbersome and time-consuming. Other methods are simpler but prone to fading of the stained slides.

Helicobacter pylori staining solution (methylene blue method) uses the methylene blue method, which is inexpensive, has long storage time, and stable quality. In clinical practice, the methylene blue method is commonly used for the diagnosis and treatment evaluation of chronic gastritis and peptic ulcers. It is recommended as a routine staining method for identifying *Helicobacter pylori*.

Usage

1. Fix the tissue in 10% formalin and perform routine dehydration and embedding.
2. Cut the sections to a thickness of 4μm and perform routine dewaxing to water.
3. Rinse with distilled water once.
4. Drop HPStain staining solution onto the sections for 2-3 minutes.

5. Quickly rinse with water.
6. Gently dry or air-dry the sections.
7. Clear with xylene and mount with neutral mounting medium.

Notes

1. After rinsing with water, there is no need for ethanol washing, as it may cause fading.
2. For your safety and health, please wear a lab coat and disposable gloves while conducting the experiment.

Disclaimer

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