

Microbial Dual-Fluorescence Staining Solution (Wet Mount Method, Aggregation-induced emission, AIE)

A1491755

Store at 2-8°C long term (12 months). Protect from light.

Introduction:

This product is suitable for detecting vaginal secretions by the wet - mount method. Through the Microbial Dual-Fluorescence Staining Solution (Wet Mount Method, Aggregation-induced emission, AIE), epithelial cells, white blood cells, fungi and bacteria in the sample can be distinguished.

Product Characteristics:

Microbial Dual-Fluorescence Staining Solution (Wet Mount Method, Aggregation-induced emission, AIE) is a microbial dye with high sensitivity, strong stability and wide applicability. It can be used for smear staining of vaginal secretions and is an ideal substitute for chemical staining. Clear field - of - view imaging can be obtained within 5 minutes, with simple operation and intuitive results. Using dual - fluorescence staining technology, the AIE composite fluorescent dye stains epithelial cells, white blood cells, clue cells, bacteria and fungi in the sample. Under the excitation of a specific wavelength of the fluorescence microscope, the stained microorganisms emit different fluorescences in a dark background, and their morphological structures are clearly distinguishable.

Experimental Method:

1. Take 20 - 50 μL of fresh sample (to be used within 2 hours after collection) and 1 - 10 μL of staining solution equilibrated to room temperature (the actual dosage is adjusted according to actual needs) and mix them evenly.
2. Use a pipette to take 10 - 20 μL of the mixed sample and drop it on a glass slide, cover it with a coverslip, and place it under a fluorescence microscope for observation.

Sample Requirements:

It is suitable for female vaginal secretion samples. The collection container should be clean. Generally, a cotton swab moistened with physiological saline is used to obtain samples from the deep part of the vagina, the posterior fornix of the vagina, the cervical orifice, etc.

Matters needing attention:

1. Please mix briefly before use.
2. For your safety and health, please wear a lab coat and disposable gloves during operation.
3. This product is only for scientific research purposes.