

BfArM PEI Certified Typhoid Antigen Rapid Test Disposable 10 - 15 Minutes Reaction Time

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: DVOT
- Certification: CE/BfArM/ PEI
- Model Number: Typhoid Ag
- Minimum Order Quantity: 1250Test
- Price: 0.35~0.7USD per Test
- Packaging Details: Each boxes 25tests
- Delivery Time: 5-8 Working days
- Payment Terms: T/T, Western Union
- Supply Ability: 1000000pcs



Product Specification

- Product Name: Typhoid Ag Rapid Test
- Formats: Cassette
- Reaction Time: 10-15 Minutes
- Shelf Life: 24 Months At Room Temperature 4- 30 Degrees
- Others: The Kits Can Be Made According To The Customers' Artwork Or Design
- Time Of Use: Disposable
- Highlight: **PEI Typhoid Antigen Rapid Test, Typhoid Antigen Rapid Test Disposable**

Product Description

Rapid And Efficient Detection Reagent For Typhoid Antigen

The Typhoid Ag Rapid Test Device (Feces) is a lateral flow immunoassay for the simultaneous detection and differentiation of Salmonella Typhoid in feces.

Detection Principle

The Typhoid Ag Rapid Test Device (Feces) is a lateral flow chromatographic immunoassay. The test cassette consists of: 1) a burgundy colored conjugate pad containing S. typhoid antibody conjugated with colloid gold, 2) a nitrocellulose membrane strip containing two test bands (S. typhoid bands) and a control band (C band). The S. typhoid band is pre-coated with monoclonal anti- S. typhoid for the detection of S. typhoid Ag, and the C band is pre-coated with goat anti mouse IgG. When an adequate volume of test specimen is dispensed into the sample well of the cassette, the test specimen migrates by capillary action across the test cassette. S. typhoid Ag if present in the patient specimen will bind to the S. typhoid Ab conjugates. The immunocomplex is then captured on the membrane by the pre-coated S. typhoid antibody, forming a burgundy colored S. typhoid band, indicating a S. typhoid positive test result. Absence of any test bands suggests a negative result. The test contains an internal control (C band) which should exhibit a burgundy colored band of the immunocomplex of goat anti Mouse IgG/Mouse IgG-gold conjugate regardless of the color development on any of the test bands. Otherwise, the test result is invalid and the specimen must be retested with another device.

SPECIMEN COLLECTION AND STORAGE

The kit should be stored at 2-30°C until the expiry date printed on the sealed pouch. The test must remain in the sealed pouch until use.

Do not freeze.

Cares should be taken to protect components in this kit from contamination. Do not use if there is evidence of microbial contamination or precipitation. Biological contamination of dispensing equipment, containers or reagents can lead to false results.

SPECIMEN COLLECTION AND HANDLING

Patients should not collect samples during their menstrual period, if they have bleeding hemorrhoids, blood in the urine, or if they have strained during bowel movement.

Collect a random sample of feces in a clean dry container or receptacle.

Unscrew and remove the collection tube applicator stick. Be careful not to spill or spatter solution from container.

Collect random sample by using the applicator stick. Take sample from various surfaces of the feces specimen from 3 points.

Re-insert the applicator stick into the tube and screw the cap tightly. Be careful not to break the tip of the Sample Collection Tube.

The diluted sample must be tested in 30 minutes, otherwise the results would be not correct

PROCEDURE

Bring tests, specimens, buffer and/or controls to room temperature (15-30°C) before use

Specimen collection and pre-treatment:

- 1) Unscrew and remove the dilution tube applicator. Be careful not to spill or spatter solution from the tube. Collect specimens by inserting the applicator stick into at least 3 different sites of the feces.
- 2) Place the applicator back into the tube and screw the cap tightly. Be careful not to break the tip of the dilution tube.
- 3) Shake the specimen collection tube vigorously to mix the specimen and the extraction buffer. Specimens prepared in the specimen collection tube may be stored for 6 months at -20°C if not tested within 1 hour after preparation.

2. Testing

- 1) Remove the test from its sealed pouch, and place it on a clean, level surface. Label the test with patient or control identification. To obtain a best result, the assay should be performed within one hour.
- 2) Using a piece of tissue paper, remove the tip of the dilution tube. Hold the tube vertically and dispense 3 drops of solution into the specimen well (S) of the test device.

Avoid trapping air bubbles in the specimen well (S), and do not drop any solution in observation window.

3. Wait for the colored band(s) to appear. The result should be read at 10 minutes. Do not interpret the result after 20 minutes.

INTERPRETATION OF RESULTS

POSITIVE RESULT:



The colored line in the control line region (C) appears and a colored line appears in test line region (T). The result is positive for S. typhoid Ag infection.

NEGATIVE RESULT:



One colored band appears in the control band region (C). No band appears in the test band region (T)

INVALID RESULT:



Control line (C) fails to appear. Insufficient buffer volume or incorrect procedural techniques are the most likely reasons for control line failure. Review the procedure and repeat the procedure with a new test device. If the problem persists, discontinue using the test kit immediately and contact your local distributor.

NOTE:

The intensity of the color in test region (T) may vary depending on the concentration of aimed substances present in the

specimen. Therefore, any shade of color in the test region should be considered positive. Besides, the substances level cannot be determined by this qualitative test.

Insufficient specimen volume, incorrect operation procedure, or performing expired tests are the most likely reasons for control band failure.

KIT COMPONENTS

Test devices

Droppers

Single Buffer

Package insert

MATERIALS REQUIRED BUT NOT PROVIDED

Specimen collection containers

Feces paper

Centrifuge

Timer



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