

INSTRUCTION FOR USE iFOB (FIT) Test

Only for professional in vitro diagnostic use

For hHB (human hemoglogin) Detection in Feces

in vitro diagnostic test

Product Code: THHB01

BACKGROUND INFORMATION

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The presence of Fed an ocutil blood in the stool is associated with gastrointestinal disorders such as diverticulitis, polyps, and Crohn's disease, that may lead to colorectal cancer if not treated. Early diagnosis by fecal occult blood screening and treatment of these problems has been shown to significantly reduce mortality from colorectal cancer. Detection of occult blood in feces is a recommended examination method by many organization such as WHO World Health Organization) for large intestine cancer diagnosis.

Immunochromatographic test methods have superior clinical specificity when compared to a chemical based test (e.g. gualac) as well as do not required any dietary

INTENDED USE

iFOB (FIT) Test is a qualitative immunochromatographic test for detection of human hemoglobin (hHb) in human feces for professional use.

REAGENTS

onal anti-hemoglobin antibody-A, goat anti-mouse (IgG) polyclonal antibody and monoclonal anti-hemoglobin antibody B conjugated with colloidal go

METHOD

IFOB IFIT Test uses solid-phase immunochromatographic technology for the qualitative detection of hith in human fices. The test is a two-site immunometric assay in which a combination of monoclonal and polydonal antibodies is used to selectively detect hith in samples with a high degree of sensitivity. Mouse monoclonal and the-moglobin antibody is missionally as missional membrane. Monoclonal anti-hemoglobin antibody as missional policy and the control area "C" of the nitrocellulose membrane. Monoclonal anti-hemoglobin antibody as conjugated with colloidal gold particles was dried on a conjugate paid.

Sample is introduced from sampling pad. If there is hith a detectable level in the sample, hith binds to the mobile monoclonal anti-hemoglobin antibody as conjugated with colloidal gold particles. Together they move to the test area "T". Hish molecules bind to the immobilized mouse monoclonal anti-hemoglobin antibody as as a result of this, hith molecules that have already bound to mobile monoclonal anti-hemoglobin antibody as conjugated with colloidal gold particles. In detail, inclicating positive test result. If there is no hith at detectable level in the sample then sample moves to the test area "T" to good rear as "T" of colored test as" T" do called gold particles in the test area" T" and the colored signal due to the accumulation of colloidal gold particles in the test area "T" do colored in anti-hemoglobin antibody as conjugated with colloidal gold particles, monobilized mouse monoclonal anti-hemoglobin antibody A can not bind to mobilized monal anti-hemoglobin antibody as conjugated with colloidal gold particles, therefore no visible colored signal in test area "T" on colored test line) can be obtained, indicating negative test result. Regardless of his bottom of the liquid sample monoclonal anti-hemoglobin antibody B conjugated with colloidal gold particles in his estar and indicating negative test result. Regardless of his bottom of the liquid sample monoclonal anti-hemoglobin antibody B conjug

PRECAUTIONS AND LIMITATIONS

- PRECAUTIONS AND LIMIT AT 100%.

 1. For professional and in vitro diagnostic use only.

 2. Do not use test tilt beyond exply date. The test device is single use. Do not reuse.

 3. The test device should remain in its original sealed pouch until usage. Do not use the test if the seal is broken or the pouch is damaged.

 4. Wear disposable gloves while performing the test.

 5. Blood detection can not be realized if the very little amount of blood is not evenly spread across the feces. For this reason, it is recommended that feces sampling should be done from different areas of the fees. In this way sampling possibility of blood in fees increases.

 6. Repeating the test every six months is recommended, as there is no continuous bleeding in case of large intestine cancer. Accordingly, detection possibility of periodical blooding the user increases.
- o. Repleating the resistency as motions is recommended, as users in Continuous discerning in Lase or large intensine Cantees. Accordingly, desecting and placed from increases.

 7. Below are illnesses that cause bleeding, where the test gives a positive result although the patient is not suffering from a large intestine cancer.

 Replayures in the disjective system.

- Oesophageal varices Medication that causes gastric irritation e.g. aspirin

Medication that causes gastric irritation e.g. aspirin
Gastric tumor or malignant tumor
Meckels diverticulum
Ulcenative colitis
Polyps of large intestine
Hemorrhoids
A. Il patient samples should be handled as if they are capable of transmitting disease. Observe established precautions against microbiological hazards throughout all procedures and follow the standard procedures for proper disposal of samples.

7. This test will indicate only the selectively total human hemoglobin (hi/bl) in the sample, and should not be used as the only basis for the diagnosis.

8. with all diagnosis ctest, it should be keptin mind that an identification diagnosis can't be based on a single test result. Diagnosis can only be reached by an expert after the evaluation of all clinical and laboratory findings.

STORAGE
Test device should be kept away from direct sunlight, moisture, heat and radiation sources. Store at 4-30°C (39-86°F). Do not freeze.
The test in the original packaging retains stable until expiry date at storage conditions. The test device should be used in maximum one hour after the foil is opened.
Rit components: Test cassettes, sample collection tubes with dilution buffer, instructions for use.
Additional materials required but not provided c5 (clotic) our pand time.
Additional materials required but not provided c5 (segative and positive control materials.

SAMPLE COLLECTION AND PREPARATION

The test can be performed using fees samples. Fees samples can be stored at 2 - 8 °C until they are being tested in a period of 3 days after collection if not tes 6 hours. Sample prepared in the sample collection tube can be stored for 6 months at -20°C if not tested within 1 hour after preparation.

-Sample should not be collected during or within three days of a menstrual period, or if the patient suffers from bleeding hemorrhoids or blood in the urine, fals test results may be obtained.

-Dietaly restrictions are not necessary. Test is a convenient test method that employs anti-human hemoglobin antibodies that causes recognize only human he with his hearthing.

- TEST PROCEDURE

 1. Open the sampling test tube by turning the lid (Figure 1).
 2. Insert and twist the rod into the sample faces in at least 3 different parts of the sample (Figure 2).
 3. Insert the rod with the collected sample into the test tube and dose it firmly, Shake the sampling test tube well up and low direction for 2 minutes (Figure 3).
 4. Please makes vert that dilution buffer with fecal sample in tube is homeopeneous and it has low solid density.
 4. Remove the test kit from its protective aluminum pouch and place the test on a flat surface (Figure 4).
 5. Open the cap on the tip of the sampling test tube (Figure 5).
 6. Draw 2 drops of sample into sample well of the test cassette (Figure 6).
 7. Results should be read within 10 minute as shown below. Do not interpret results beyond 20 minutes, results forming after 20 minutes should be regarded as in NOTE: If the extracted sample does not migrate in the test because of the particles, centrifuge the extracted sample in the sample collection tube. Then collect supernatant and dispense it to the sample well of a new test device and follow the instruction from step 4.













Negative: Only one colored band is visible in "C" area.

Positive: Two colored bands are visible in "C" and "T" areas.

Low concentration of hith may cause a faint line in "T" area. Even such a faint line in "T" area should be regarded as "positive".

Invalid: No colored band is visible or only one colored band is visible in "T" area; test should be repeated using a new test device.



OUALITY CONTROL

Tasts have bull in procedural quality control features. When the test is complete, the user will see a colored line in the "C" area of the test on negative samples and a colored line in the "T" and "C" area on positive samples. The appearance of the control "C" line is considered as an internal procedural control. This line in clinicates that sufficient volume of sample was added as well as valid set result. It is recommended that a negative control a positive control be used to verify proper test performance as an external control. Users should follow appropriate federal, state and local guidelines concerning the external quality controls.

PERFORMANCE EVALUATION Cut off value: 10 ng hHb/ml

Sensitivity : 99,9 % + Predictive Value : 93 %

Specificity: 97 % - Predictive Value: 99,9 % There is no hook effect (Measurum.

Cross Reactivity: There is no any cross 1000 mg/L Cattler My 1000 mg/L Pose pt My 1000 mg/L Hose pt My 1000 mg/L Hose pt My 1000 mg/L Goat Hb 1000 mg/L Goat Hb 1000 mg/L Dog Hb 1000 mg/L Dog Hb ... There is no hook effect (Measurement rage up to 100.000 ng/ml).

ring substances were used for internal quality control: h Hemoglobin, h Albumin, h Haptoglobin, h Myoglobin, h Transferrin Internal Quality Control: Follo

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