Fecal Occult Blood Rapid Test Cassette (Feces) (6

INTENDED USE

Fecal Occult Blood Rapid Test Cassette (Feces) is a rapid chromatographic immunoassay for the qualitative detection of human occult blood in feces by professional laboratories or physician's offices. It is useful to detect bleeding caused by a number of gastrointestinal disorders, e.g., diverticulitis, colitis, polyps, and colorectal cancer.

Fecal Occult Blood Rapid Test Cassette (Feces) is recommended for use in1) routine physical examinations, 2) hospital monitoring for bleeding in patients, and 3) screening for colorectal cancer or gastrointestinal bleeding from any source.

INTRODUCTION

Most of diseases can cause hidden blood in the stool. In the early stages, gastrointestinal problems such as colon cancer, ulcers, polyps, colitis, diverticulitis, and fissures may not show any visible symptoms, only occult blood. Traditional guaiac-based method lacks sensitivity and specificity, and has diet-restriction prior to the testing.

Fecal Occult Blood Rapid Test Cassette (Feces) is a rapid test to qualitatively detect low levels of fecal occult blood in feces. The test uses double antibod- sandwich assay to selectively detect as low as 50 ng/mL of hemoglobin or 6 µg hemoglobin/g feces. In addition, unlike the quaiac assays, the accuracy of the test is not affected by the diet of the patients.

PRINCIPLE

Fecal Occult Blood Rapid Test Cassette (Feces) is a lateral flow chromatographic immunoassay based on the principle of the double antibody-sandwich technique. The membrane is pre-coated with anti-hemoglobin antibodies on the test line region of the device. During testing, the specimen reacts with the colloidal gold coated withl anti-hemoglobin antibodies. The mixture migrates upward on the membrane chromatographically by capillary action to react with anti-hemoglobin antibodies on the membrane and generate a colored line. The presence of this colored line in the test region indicates a positive result, while its absence indicates a negative result. To serve as a procedural control, a colored line will always appear in the control line region indicating that proper volume of specimen has been added and membrane wicking has occurred.

MATERIALS PROVIDED

- 20 Test cassettes
- 20 Specimen collection tubes with buffer
- 1 Package insert

MATERIALS REQUIRED BUT NOT PROVIDED

1. Specimen collection containers

2. Clock or timer

STORAGE AND STABILITY

All reagents are ready to use as supplied. Store unused test device unopened at 2°C-30°C. If stored at 2°C-8°C, ensure that the test device is brought to room temperature before opening. The test is not stable out of the expiration date printed on the sealed pouch. Do not freeze the kit or expose the kit over 30°C.

PRECAUTIONS

- 1. For professional in vitro diagnostic use only.
- 2. This package insert must be read completely before performing the test. Failure to follow the insert gives inaccurate test results.
- Do not use it if the tube/pouch is damaged or broken.
- 4. Test is for single use only. Do not re-use under any circumstances.
- 5. Do not use specimen with visible blood for the testing.
- 6. Handel all specimens as if they contain infectious agents. Observe established standard procedure for proper disposal of specimens.
- 7. Specimen extraction buffer contains Sodium Azide (0.1%). Avoid contact with skin or eyes. Do not ingest.
- 8. Wear protective clothing such as laboratory coats, disposable gloves and eye protection when specimens are assay.
- 9. Humidity and temperature can adversely affect results.
- 10. Do not perform the test in a room with strong air flow, ie. electric fan or strong airconditioning.

PATIENT PREPARATION

1. A specimen should not be collected from a patient with following conditions that may interfere with the test results:

- Menstrual bleeding
- Bleeding hemorrhoids
- Constipating bleeding
- Urinary bleeding.
- 2. Dietary restrictions are not necessary.
- 3. Alcohol and certain medications such as aspirin, indomethacin, phenylbutazone, reserpine, cortocosteroids, and nonsteroidal anti-inflammatory drugs may cause gastrointestinal irritation and subsequent bleeding, thus gives positive reactions. On the advice of the physician, such substances should be discontinued at least 48 hours prior to testing.

SPECIMEN COLLECTION AND PREPARATION

Consider any materials of human origin as infectious and handle them using standard biosafety procedures.

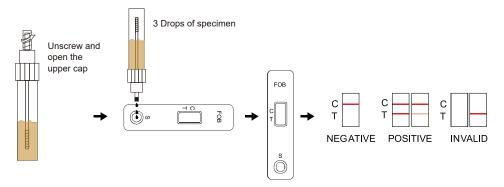
- 1. Collect a random sample of feces in a clean, dry receptacle.
- 2. Unscrew the top of the collection tube and remove the applicator stick.
- 3. Randomly pierce the fecal specimen in at least five (5) different sites.
- 4. Remove excess sample off the shaft and outer grooves. Be sure sample remains on inside grooves.
- 5. Replace the stick in the tube and tighten securely.
- 6. Shake the specimen collection bottle so that there is proper homogenisation of feces in buffer solution.

Note: Specimens prepared in the specimen collection tube may be stored at room temperature (15-30°C) for 3 days maximum, at 2-8°C for 7 days maximum or at -20°C for 3 months maximum if not tested within 1 hour after preparation.

TEST PROCEDURE

Allow the test cassette, specimen, and/or controls to reach room temperature (15-30°C) prior to testing.

- 1. Remove the test cassette from the foil pouch and use it as soon as possible. Best results will be obtained if the assay is performed within one hour.
- 2. Place the test cassette on a clean, flat surface.
- 3. Shake the specimen collection tube several times.
- 4. Hold the specimen collection tube upright and then unscrew and open the upper cap.
- 5. Squeeze 3 drops (\sim 90 μ L) of the sample solution in the sample well of the cassette and start the timer.
- 6. Wait for the colored line(s) to appear. Read results in 5 minutes. Do not interpret the result after 5 minutes.



INTERPRETATION OF RESULTS

(Please refer to the illustration above)

Positive: Two lines appear. One colored line should be in the control line region (C) and another apparent colored line should be in the test line region (T).

Negative: One colored line appears in the control line region(C). No line appears in the test line region (T).

Invalid: Control line fails to appear. The test should be repeated using a new cassette. If the problem persists, discontinue using the test kit immediately and contact your local distributor. **NOTE:**

1. The intensity of color in the test region (T) may vary depending on the concentration of analytes present in the specimen. Therefore, any shade of color in the test region should be considered positive. Note that this is a qualitative test only, and

Fecal Occult Blood Rapid Test Cassette (Feces)

cannot determine the concentration of analytes in the specimen.

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

QUALITY CONTROL

An internal procedural control is included in the test. A colored line appearing in the control line region (C) is an internal procedural control. It confirms sufficient specimen volume, adequate membrane wicking and correctl procedural technique. Control standards are not supplied with this kit; however it is recommended that positive and negative controls be tested as a good laboratory practice to confirm the test procedure and to verify proper test performance.

LIMITATIONS

- 1. This test kit is to be used for the qualitative detection of human hemoglobin in fecal samples. A positive result suggests the presence of human hemoglobin in fecal samples. In addition to intestinal bleeding the presence of blood in stools may have other causes such as hemorrhoids, blood in urine etc.
- 2. Not all colorectal bleedings are due to precancerous or cancerous polyps. The information obtained by this test should be used in conjunction with other clinical findings and testing methods, such as colonoscopy gathered by the physician.
- 3. Negative results do not exclude bleeding since some polyps and colorectal region cancers can bleed intermittently or not at all. Additionally, blood may not be uniformly distributed in fecal samples. Colorectal polyps at an early stage may not bleed.
- 4. Urine and excessive dilution of sample with water from toilet bowl may cause erroneous test results. The use of a receptacle is recommended.
- 5. Feces specimens should not collect during the menstrual period and not three day before or afterwards, at bleeding due to constipation, bleeding haemorrhoids, or at taking rectally administered medication. It could cause false positive results.
- 6. This test may be less sensitive for detecting upper q.i. Bleeding because blood degrades as it passes through the q.i. Track.
- 7. The Fecal Occult Blood Rapid Test Cassette (Feces) is to aid indiagnosis and is not intended to replace other diagnostic procedures such as G.I. fibroscope, endoscopy, colonoscopy, or X-ray analysis. Test results should not be deemed conclusive with respect to the presence or absence of gastrointestinal bleeding or pathology. A positive result should be followed up with additional diagnostic procedures to determine the exact cause and source for the occult blood in the feces.

PERFORMANCE CHARACTERISTICS

Fecal Occult Blood Rapid Test Cassette (Feces) can detect the levels of human occult blood as low as 50 ng/mL hemoglobin or 6 ua hemoalobin/a feces.

2. Prozone Effect:

It is observed that this FOB test can detect 2 mg/mL hemoglobin.

3. Specificity: 99 9%

Fecal Occult Blood Rapid Test Cassette (Feces) is specific to human hemoglobin. Specimen containing the following substances at the standard concentration was tested on both positive and negative controls and showed no effects on test results at standards concentration

Substances	Concentrations (Diluted with the extraction buffer)
Beef hemoglobin	2 mg/mL
Chicken hemoglobin	0.5 mg/mL
Pig hemoglobin	0.5 mg/mL
Goat hemoglobin	0.5 mg/mL
Horse hemoglobin	20 mg/mL
Rabbit hemoglobin	0.06 mg/mL

REFERENCES

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- 2. Blebea J. and Ncpherson RA. False-Positive Guaiac Testing With Iodine, Arch Pathol Lab Med, 1985;109:437-40.

INDEX OF SYMBOLS						
[]i	Consult instructions for use	Σ	Tests per kit	EC REP	Authorized Representative	
IVD	For <i>in vitro</i> diagnostic use only	\subseteq	Use by	8	Do not reuse	
2°C 30°C	Store between 2~30°C	LOT	Lot Number	REF	Catalog#	

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REF GEFOB-602b

Revision Date: 2023-04-18 B21056-04

Malaria P.f./P.v. Ag Rapid Test Cassette (Whole Blood)

CE

INTENDED USE

The Malaria P.f./P.v. Ag Rapid Test Cassette (Whole Blood) is a rapid lateral flow chromatographic immunoassay for the simultaneous detection and differentiation of Malaria P.falciparum specific histidine rich protein-2 (Pf HRP-II) and Malaria P.vivax specific lactate dehydrogenase (Pv-LDH) in human blood specimen as an aid in the diagnosis of Malaria infection. It is for *In-Vitro* Diagnostic use only.

INTRODUCTION

Malaria is a serious, sometimes fatal, parasitic disease characterized by fever, chills, and anemia and is caused by a parasite that is transmitted from one human to another by the bite of infected Anopheles mosquitoes. There are four kinds of malaria that can infect humans: Plasmodium falciparum, P. vivax, P. ovale, and P. malariae. In humans, the parasites (called sporozoites) migrate to the liver where they mature and release another form, the merozoites. The disease now occurs in more than 90 countries worldwide, and it is estimated that there are over 500 million clinical cases and 2.7 million malaria-caused deaths per year. At the present, malaria is diagnosed by looking for the parasites in a drop of blood. Blood will be put onto a microscope slide and stained so that the parasites will be visible under a microscope.

PRINCIPLE

The Malaria P.f./P.v. Ag Rapid Test Cassette (Whole Blood) contains a membrane, which is precoated with mouse monoclonal antibodies specific to HRP-II of P. falciparum on test line Pf region and with mouse monoclonal antibodies specific to lactate dehydrogenase of P.vivax species on test line Pv region respectively. Conjugate pad is dispensed with monoclonal antibodies conjugated to colloidal gold, which are specific to P.falciparum histidine rich protein-2 (Pf HRP-II) and specific to the lactate dehydrogenase of P.vivax.

During the assay, an adequate volume of the blood specimen is dispensed into the sample well (S) of the test cassette, a lysis buffer is added to the buffer well (B). The buffer contains a detergent that lyses the red blood cells and releases various antigens, which migrate by capillary action across the strip held in the cassette. Pv-LDH if presents in the specimen will bind to the Pv-LDH-gold conjugates. The immunocomplex is then captured on the membrane by the pre-coated anti-Pv-LDH antibody, forming a burgundy colored Pv band, indicating a Pv positive test result.

Alternatively, pHRP-II if presents in the specimen will bind to the pHRP-II-gold conjugates. The immunocomplex is then captured on the membrane by the pre-coated anti-pHRP-II antibodies, forming a burgundy colored Pf band, indicating a Pf positive test result.

Absence of any T 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 I mouse IgG (anti-Pv-LDH and anti-pHRP-II)-gold conjugates regardless of the color development on any of the T bands. Otherwise, the test result is invalid and the specimen must be retested with another device.

MATERIALS SUPPLIED

- 25 Sealed pouches each containing a test cassette, a dropper and a desiccant
- 1 Buffer, 7.0 mL
- 1 Package insert

MATERIAL REQUIRED BUT NOT PROVIDED

- 1. Clock or timer
- 2. Collection by venipuncture: collection tube (containing EDTA, citrate or heparin)
- 3. Collection using a lancet: sterile lancet

STORAGE AND STABILITY

All reagents are ready to use as supplied. Store unused test device unopened, preferably at 2°C-30°C. Do not expose the kit over 30°C. Do not freeze the kit. Ensure that the test device is brought to room temperature before opening. The test device is stable through the expiration date printed on the sealed pouch if it is stored at 2°C-30°C.

WARNINGS AND PRECAUTIONS

- 1. For professional in vitro diagnostic use only. Do not use after expiration date.
- 2. The instruction must be followed exactly to get accurate results. Failure to follow the insert gives inaccurate test results
- 3. Do not eat, drink or smoke in the area where the specimens or kits are handled.
- 4. Handle all specimens as if they contain infectious agents. Observe established precautions against microbiological hazards throughout testing and follow the standard procedures for proper disposal of specimens.

- 5. Hemolized blood may be used for the testing, but do not take precipitants.
- 6. Wear protective clothing such as laboratory coats, disposable gloves and eye protection when specimens are being tested.
- 7. Humidity and temperature can adversely affect results.
- 8. Do not perform the test in a room with strong air flow, ie. an electric fan or strong airconditioning.

SPECIMEN COLLECTION

Collection by venipuncture:

- 1) Collect whole blood into a collection tube (containing EDTA, citrate or heparin) by venipuncture.
- 2) If specimens are not immediately tested, they should be refrigerated at 2-8°C. For storage periods greater than three days, freezing is recommended. They should be brought to room temperature prior to use. Using the specimen after long-term storage of more than three days can cause non-specific reaction.
- 3) When stored at 2-8°C, the whole blood sample should be used within three days.

Collection using a lancet:

- 1) Clean the area to be lanced with an alcohol swab.
- 2) Squeeze the end of the fingertip and pierce with a sterile lancet.
- 3) Wipe away the first drop of blood with sterile gauze or cotton.
- 4) Using the dropper provided, while gently squeezing the tube, immerse the open end in the blood drop and then gently release the pressure to draw blood into the dropper.

TEST PROCEDURE

Allow the test device, specimen, buffer, and/or controls to equilibrate to room temperature (15-30°C) prior to testing.

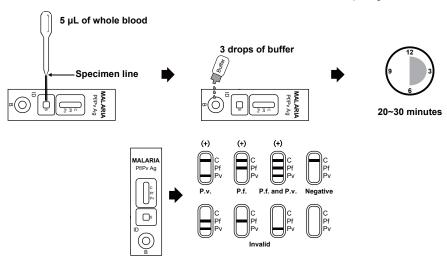
- 1.Remove the test cassette from the foil pouch and use it as soon as possible. Best results will be obtained if the assay is performed within one hour.
- 2. Place the test cassette on a clean and level surface. Be sure to label the device with specimen's ID number.
- 3. With a 5 μ L mini plastic dropper provided, draw whole blood specimen to exceed the specimen line as showed in the following image and then transfer drawn whole blood into the sample well (S). Then add 3 drops (about 120 μ L) of Lysis Buffer to the buffer well (B) immediately.

Note: Practice a few times prior to testing if you are not familiar with the mini dropper. For better precision, transfer specimen by pipette capable to deliver 5 µL of volume.

4. Set up timer.

If preferred, after 5 minutes of adding specimen and buffer, you may add one more drop of Lysis Buffer to help the background become clearer.

5. Results can be read in 20 to 30 minutes. It may take more than 20 minutes to have the background become clearer. Don't read results after 30 minutes. To avoid confusion, discard the test cassette after interpreting the result.



Malaria P.f./P.v. Ag Rapid Test Cassette (Whole Blood)

INTERPRETATION OF RESULTS

(Please refer to the illustration above)

POSITIVE:

P.f. Positive: One line appears in the control region, and one line appears in P.f. line region.

P.y Positive: One line appears in the control region and one line appears in Py line region.

P.f and P.v Positive: One line appears in the control region, one line appears in Pv line region and one line appears in

NEGATIVE: Only one colored line appears in the control region.

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

QUALITY CONTROL

Internal procedural controls are included in the test. A colored line appearing in the control region (C) is an internal procedural control. It confirms sufficient specimen volume and correct procedural technique. Control standards are not supplied with this kit; however, it is recommended that positive and negative controls be tested as a good laboratory practice to confirm the test procedure and to verify proper test performance.

LIMITATIONS

- 1. The Malaria P.f./P.v. Ag Rapid Test Cassette (Whole Blood) is for in vitro diagnostic use only. This test should be used for the detection of P.f and P.v antigens in whole blood specimens only. Neither the quantitative value nor the rate of increase in P.f and P.v concentration can be determined by this qualitative test.
- 2. The Malaria P.f./P.v. Ag Rapid Test Cassette (Whole Blood) will only indicate the presence of antigens of P.f and / or P.v in the specimen and should not be used as the sole criterion for the diagnosis of malaria infection.
- 3. As known relevant interference, haemolytic samples, rheumatoid factors-contained samples and lipaemic, icteric samples can lead to impair the test results.
- 4. The test is limited to the detection of antigen to Malaria Plasmodium sp. Although the test is very accurate in detecting HRP-II specific to P.f or pLDH specific to P.v, a low incidence of false results can occur. Other clinically available tests are required if questionable results are obtained.
- 5. If the test result is negative and clinical symptoms persist, additional testing using other clinical methods is recommended. A negative result does not at any time preclude the possibility of malaria infection.
- 6. As with all diagnostic tests, a definitive clinical diagnosis should not be based on the results of a single test, but should only be made by the physician after all clinical and laboratory findings have been evaluated.

PERFORMANCE CHARACTERISTICS

1. Clinical Performance for P.f Ag test:

A total of 352 samples from susceptible subjects were tested by the Malaria P.f./P.v. Ag Rapid Test Cassette (Whole Blood) and by thick blood smear test.

Meth	nod	Smear Test		Smear Test		Total Results	
Malaria	Results	Positive	Negative				
Pf/Pv Ag	Pf/Pv Ag Positive 50		4	54			
Rapid Test	Negative	0	298	298			
Total Results		50	302	352			

Relative Sensitivity: 100% Relative Specificity: 98.7% Overall Agreement: 98.9%

2. Clinical Performance for P.v Ag test:

A total of 289 samples from susceptible subjects were tested by the Malaria P.f./P.v. Ag Rapid Test Cassette (Whole Blood) and by thick blood smear test.

Meth	nod	Sme	Total Results	
Malaria	Results	Positive Negative		
Pf/Pv Ag	Ag Positive 63		3	66
Rapid Test	Negative	0	223	223
Total Results		63	226	289

Relative Sensitivity: 100% Relative Specificity: 98.7% Overall Agreement: 99.0%

- **3. Precision:** Within-run and between-run have been determined by the testing 10 replicates of four specimens: a negative, a low positive, a medium positive and a strong positive. All values were correctly identified 100% of the time.
- **4. Interference:** To evaluate the interference of Malaria P.f./P.v. Ag Rapid Test Cassette (Whole Blood) with known relevant interfering specimens, the haemolytic samples, rheumatoid factors-contained samples and lipaemic, icteric samples were investigated. In these studies, those specimens did not interfere with the Malaria P.f./P.v. Ag Rapid Test Cassette (Whole Blood).

REFERENCE

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- 2. David L. Vander Jagt, Lucy A. Hunsaker and John E. Heidrich: Partial Purification and Characterization of Lactate Dehydrogenase from Plasmodium falciparum. Molecular and Biochemical Parasitology, 4 (1981) 255-264
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INDEX OF SYMBOLS

Œ	Consult instructions for use	Σ	Tests per kit	EC REP	Authorized Representative
IVD	For in vitro diagnostic use only	8	Use by	(2)	Do not reuse
2°C	Store between 2~30°C	LOT	Lot Number	REF	Catalog#



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EC REP

QARAD BV

Cipalstraat 3, 2440 Geel BELGIUM

REF

GCMAL(pf/pv)-402a

Revision Date: 2022-09-26

B20885-03

H. pylori Ag Rapid Test Cassette (Feces)

CE

INTENDED USE

H. pylori Ag Rapid Test Cassette (Feces) is a sandwich lateral flow chromatographic immunoassay for the qualitative detection of H.Pylori antigen in feces.It is for professional *in vitro* diagnostic use only.

INTRODUCTION

H.Pylori is associated with a variety of gastrointestinal diseases included non-ulcer dyspepsia, duodenal and gastric ulcer and active, chronic gastritis. The prevalence of H.pylori infection could exceed 90% in patients with signs and symptoms of gastrointestinal diseases. Recent studies indicate an association of H. Pylori infection with stomach cancer. H. Pylori colonizing in the gastrointestinal system elicits specific antibody responses 4.5.6 which aids in the diagnosis of H. Pylori infection and in monitoring the prognosis of the treatment of H. Pylori related diseases. Antibiotics in combination with bismuth compounds have been shown to be effective in treating active H. Pylori infection. Successful eradication of H. pylori is associated with clinical improvement in patients with gastrointestinal diseases providing a further evidence.

PRINCIPLE

H. pylori Ag Rapid Test Cassette (Feces) is a lateral flow chromatographic immunoassay based on the principle of the double antibody–sandwich technique. The test cassette consists of: 1) a burgundy colored conjugate pad containing H. Pylori antibodies conjugated with color particles (H. Pylori conjugates. 2) a nitrocellulose membrane strip containing a test band (T band) and a control band (C band). The T band is pre-coated with non-conjugated H. Pylori antibodies.

When an adequate volume of test specimen is dispensed into the sample well of the cassette, the specimen migrates by capillary action across the cassette. The antigen of H. Pylori if present in the specimen will bind to the H. Pylori antibodies conjugates. The immunocomplex is then captured on the membrane by the pre-coated H. Pylori antibodies, forming a burgundy colored T band, indicating a H. Pylori antigen positive test result. To serve as a procedural control, a colored line will always appear in the control line region indicating that proper volume of specimen has been added and membrane wicking has occurred. Otherwise, the test result is invalid and the specimen must be retested with another device.

PRODUCT CONTENTS

H. pylori Ag Rapid Test Cassette (Feces) containing anti- H.pylori antibodies particles and anti-H.pylori antibodies coated on the membrane.

MATERIALS SUPPLIED

- 20 Sealed pouches each containing a test cassette and a desiccant
- 20 Specimen collection tubes with extraction buffer, 2.0 mL
- 1 Package insert

MATERIAL REQUIRED BUT NOT PROVIDED

- 1. Clock or timer
- 2. Specimen collection containers.

STORAGE AND STABILITY

All reagents are ready to use as supplied. Store unused test device unopened at 2°C-30°C. If stored at 2°C-8°C, ensure that the test device is brought to room temperature before opening. The test is not stable out off the expiration date printed on the sealed pouch. Do not freeze the kit or expose the kit over 30°C.

WARNINGS AND PRECAUTIONS

- 1. For professional in vitro diagnostic use only.
- 2. Do not use it if the tube/pouch is damaged or broken.
- 3. Test is for single use only. Do not re- use under any circumstances.
- 4. Handle all specimens as if they contain infectious agents. Observe established standard procedure for proper disposal of specimens
- 5. Wear protective clothing such as laboratory coats, disposable gloves and eye protection when specimens are assay.
- 6. Humidity and temperature can adversely affect results

SPECIMEN COLLECTION

Collect sufficient quantity of feces (1-2 mL or 1-2 g) in a clean, dry specimen collection container to obtain maximum antigens (if present). Best results will be obtained if the assay is performed within 6 hours after collection. Specimen collected may be stored for 3 days at 2-8°C if not tested within 6 hours. For long term storage, specimens should be kept below -20°C.

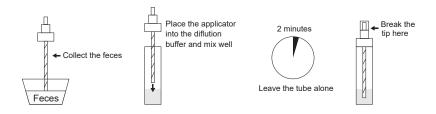
To process fecal specimens:

For Solid Specimens:

Unscrew the cap of the specimen collection tube, then randomly stab the specimen collection applicator into the fecal specimen in at least 3 different sites to collect approximately 50 mg of feces (equivalent to 1/4 of a pea). Do not scoop the fecal specimen.

• For Liquid Specimens:

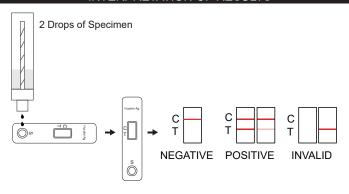
Hold the dropper vertically, aspirate fecal specimens, and then transfer 2 drops (approximately 80 μ L) into the specimen collection tube containing the dilution buffer. Screw on and tighten the cap onto the specimen collection tube, then shake the specimen collection tube vigorously to mix the specimen and the dilution buffer. Leave the tube alone for 2 minutes.



TEST PROCEDURE

- 1. Remove the test device from its foil pouch by tearing along the notch and use it as soon as possible.
- 2. Specimen collection. See also specimen collection.
- 3. Holding the sample collection device upright, carefully break off the tip of collection device.
- 4. Squeeze 2 drops (~80 μL) of the sample solution in the sample well of the cassette, as in the illustration.
- 5. Read the test results in 10 minutes. It is important that the background is clear before the result is read. Do not read results after 10 minutes. To avoid confusion, discard the test device after interpreting the result.

INTERPRETATION OF RESULTS



H. pylori Ag Rapid Test Cassette (Feces)

Positive: Two lines appear. One colored line should be in the control line region (C) and another apparent colored line should be in the test line region (T).

Negative: One colored line appears in the control line region(C). No line appears in the test line region (T). Invalid: Control line fails to appear.

QUALITY CONTROL

A procedural control is included in the test. A colored line appearing in the control line region (C) is an internal procedural control. It confirms sufficient specimen volume, adequate membrane wicking and correct procedural technique.

Control standards are not supplied with this kit; however, it is recommended that positive and negative controls be tested as a good laboratory practice to confirm the test procedure and to verify proper test performance.

LIMITATIONS

- 1. The Assay Procedure and the Assay Result Interpretation must be followed closely when testing the presence of
- H. Pylori antigen in feces from individual subjects. Failure to follow the procedure may give inaccurate results.
- 2. H. pylori Ag Rapid Test Cassette (Feces) is limited to the qualitative detection of H. Pylori antigen in feces. The intensity of the test band does not have linear correlation with the antigen titer in the specimen.
- 3. A negative result for an individual subject indicates absence of detectable H. Pylori antigen. However, a negative test result does not preclude the possibility of exposure to or infection with H. Pylori.
- 4. A negative result can occur if the quantity of the H. Pylori angtigen present in the specimen is below the detection limits of the assay, or the antigen that are detected are not present during the stage of disease in which a sample is collected.
- 5. The results obtained with this test should only be interpreted in conjunction with other diagnostic procedures and clinical findings.

PERFORMANCE CHARACTERISTICS

A study was performed with 165 patient feces samples including both symptomatic gastrointestinal disorders and samples from non-symptomatic patients and 100 normal feces samples. Comparison for all subjects with H. pylori Ag Rapid Test Cassette (Feces) and reference ELISA kit is showed in the following table:

Me	ethod	EIA	\	Total Results
H.P	Results	Positive	Negative	
Test Cassette	Positive	163	0	163
Casselle	Negative	2	100	102
Tota	l Results	165	100	265

Relative sensitivity: 98.8% Relative specificity: 100% Accuracy:98.9%

REFERENCE

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INDEX OF SYMBOLS

Œ	Consult instructions for use	Σ	Tests per kit	EC REP	Authorized Representative
IVD	For <i>in vitro</i> diagnostic use only		Use by	2	Do not reuse
2°C -30°C	Store between 2~30°C	LOT	Lot Number	REF	Catalog#



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GCHP-602a

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