

ColonView Hb and Hb/Hp tests for detection of Fecal Occult Blood (FOB)

Ideal tools for colorectal cancer screening

ColonView lateral flow tests are intended for simple detection of fecal occult blood (FOB) in stool samples. The detection of blood is based on sensitive and specific immunochemical detection of human hemoglobin or hemoglobin/haptoglobin complex. The principal application of Biohit ColonView Hb and Hb/Hp tests is to screen for lower gastrointestinal (GI) pathologies, such as colorectal cancers and large adenomas that bleed.

Colorectal cancer is one of the most commonly diagnosed cancers and a leading cause of cancer mortality. Screening for colorectal cancer can improve cancer detection at an early, still curable stage, therefore reducing mortality.

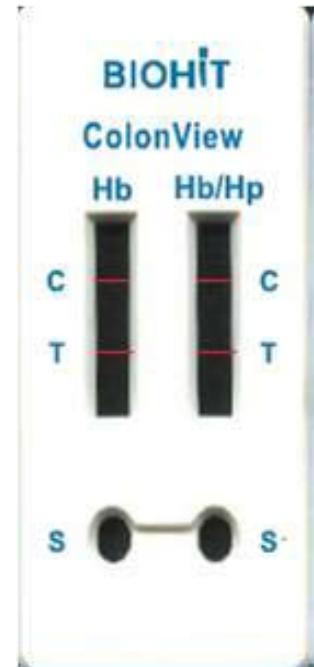
ColonView Hb test detects whole, intact human hemoglobin. Hemoglobin dissociates during its passing through the gastrointestinal tract. For this reason, ColonView Hb test is especially suitable for detection of bleeding from the colon and rectum.

Hemoglobin that has dissociated is bound by haptoglobin protein to form Hb/Hp complex. Hb/Hp is a more stable molecule than hemoglobin, and there is evidence (9) that bleeding from large adenomas can be found better by detection of Hb/Hp, rather than Hb, in stool samples. Almost all colorectal tumors develop from large adenomas, and their removal is an efficient way of preventing colorectal cancer. Combination of ColonView Hb and Hb/Hp testing may therefore aid both detection and prevention or colorectal cancer.

As Hb/Hp complex is more stable than hemoglobin, its detection in stool may also indicate bleeding from GI tract above the colon. Combination of ColonView Hb and Hb/Hp testing can aid localization of the bleeding prior to further examination.

ColonView Hb and Hb/Hp tests are provided with easy-to-use patient Sample Collection Kits that include all that is needed for convenient home sample collection, without the need to touch stool samples. The same sample can be used for both Hb and Hb/Hp testing.

ColonView Hb and Hb/Hp tests are simple, one-step lateral flow tests that give results in 15 to 25 minutes.



- Excellent screening tools for colorectal cancer and large adenomas that bleed
- User-friendly Sample Collection kits
- No dietary restrictions
- Quick and simple single-step tests
- 2-in-1 test cassette

References:

1. van Rossum LG et al. Random comparison of guaiac and immunochemical fecal occult blood tests for colorectal cancer in a screening population. *Gastroenterol* 2008; 135: 82-90.
2. Dam JV et al. Fecal Blood Screening for Colorectal Cancer. *Archive of Internal Medicine* 1995; 155: 2389-2402.
3. Frommer DJ et al. Improved Screening for Colorectal Cancer by Immunological Detection of Occult Blood. *British Medical Journal* 1988; 296: 1092-1094.
4. Lieberman D. Screening/Early Detection Model for Colorectal Cancer, Why Screen? *Cancer Supplement* 1994; 74(7): 2023-2027.
5. Lüthgens K et al. Hemoglobin-Haptoglobin Complex: A Highly Sensitive Assay for the Detection of Fecal Occult Blood. *Clinical Laboratory* 1998; 44: 543-551.
6. Miller AB. An Epidemiological Perspective on Cancer Screening. *Clinical Biochemistry* 1995; 28(1): 41-48.
7. Ransohoff DF and Lang CA. Improving the Fecal Occult- Blood Test. *The New England Journal of Medicine* 1996; 334 (3): 189-190.
8. Screening for Colorectal Cancer-United States 1992-1993; and New Guidelines; Mobility and Mortality Weekly Report 1995; 45 (5): 107-110.
9. Sieg A et al. Detection of colorectal neoplasms by the highly sensitive hemoglobin-haptoglobin complex in feces. *International Journal of Colorectal Disease* 1999; 14: 267-271.
10. St. John DJB et al. Evaluation of new occult blood test for detection of colorectal neoplasia. *Gastroenterology* 1993; 104: 1661-1668.
11. Yamamoto M et al. Cost-effectiveness analysis of immunochemical occult blood screening for colorectal cancer among three fecal sampling methods. *Hepatogastroenterology* 2000; 47 (32): 396-399.



ColonView Hb and Hb/Hp tests

SAMPLE COLLECTION BY THE PATIENT:

Collect stool specimen onto the Stool Collection Paper.

1.



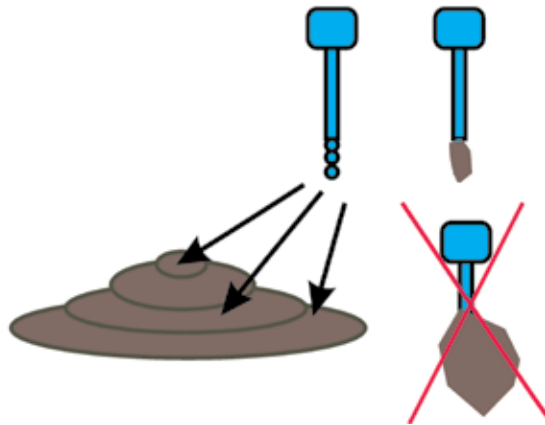
Unscrew the blue cap of the Sample Collection Tube, and remove the applicator stick.

2.



Collect sample by inserting the applicator stick randomly into the stool specimen. No touching of stool required!

3.



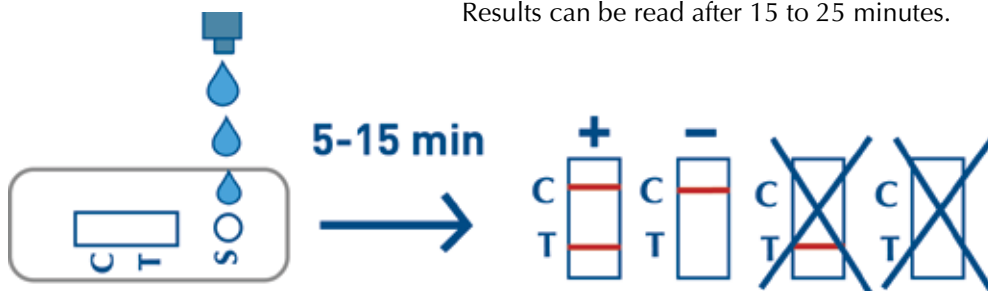
Re-insert the applicator stick and screw the cap on.

4.



TEST PERFORMANCE BY THE HEALTH CARE PROFESSIONAL:

Carefully shake the Sample Collection Tube. Unscrew and remove the white cap. This reveals a dropper. Drop 3 drops onto the Sample well of the Hb or Hb/Hp test strip in the cassette. The sample is absorbed in 5 to 15 minutes. Results can be read after 15 to 25 minutes.



Ordering Details

Cat. No.	Item
602 250	30 Hb and Hb/Hp tests 30 Sample Collection Kits

In the United States: for research use only, not for use in diagnostic procedures.

