

# Actim Combi<sup>®</sup>

Hemoglobin. Transferrin.

## FIND ALL GASTROINTESTINAL BLEEDING AT ONCE

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**Actim Combi Hemoglobin Transferrin** is an easy-to-use rapid test for complete detection of gastrointestinal bleeding. The test identifies bleeding throughout the gastrointestinal tract with dual detection of hemoglobin and transferrin.

Actim Combi Hemoglobin Transferrin offers a hygienic testing solution that is user-friendly for both patients and healthcare professionals. The simple and non-invasive procedure increases patients' willingness to take the test.

Actim Combi Hemoglobin Transferrin gives visually interpretable, accurate results in just 10 minutes. This enables early identification of patients who need further medical attention, and helps to start life-saving treatments at the right time.

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# HOW ACTIM COMBI HEMOGLOBIN TRANSFERRIN WORKS

## BETTER COVERAGE WITH DUAL DETECTION

Use of **Actim Combi Hemoglobin Transferrin** is highly advantageous: quick, reliable and convenient dual detection of hemoglobin and transferrin reveals bleeding throughout the gastrointestinal tract.

Actim Combi Hemoglobin Transferrin is an immunological test based on highly specific antibodies and simultaneous detection of two biomarkers: human **hemoglobin** (detection limit 25 µg/g) and **transferrin** (detection limit 1.5 µg/g). Because the test is specific to human hemoglobin and transferrin only, no dietary restrictions concerning red meat, or vegetables and fruits with peroxidase activity, are required before testing. As a result, the test can be taken at any time.

## EXCEPTIONALLY HYGIENIC AND CONVENIENT SAMPLE COLLECTION

The innovative leak-proof sample tube allows hygienic sample collection – even at home. The sampling device automatically adjusts the amount of sample, ensuring that your test results are always consistent and reliable.

The whole test can be carried out without opening the tube cap. This guarantees clean and user-friendly testing. After sample collection, the sample tube can be stored at room temperature for up to one week, which enables taking multiple samples on various days.

## HEMOGLOBIN

The oxygen-carrying molecule in red blood cells that is released into the digestive tract when gastrointestinal bleeding occurs. Specifically indicates bleeding in the lower gastrointestinal tract.

## TRANSFERRIN

An iron-binding plasma protein. Like hemoglobin, transferrin enters the feces through bleeding. However, transferrin is resistant to proteolytic activity and is not degraded in the gastrointestinal tract. Thus, it is a stable marker for occult bleeding in both the upper and lower digestive tract.

## ACTIM COMBI HEMOGLOBIN TRANSFERRIN: KEY FACTS

- Quick and accurate screening of fecal occult blood with two biomarkers
- No dietary restrictions needed before testing
- Exceptionally hygienic and convenient sample collection
- Easy to use one-step dipstick test
- Gives results on the spot in just 10 minutes
- No laboratory resources or sample processing needed

**THE SIMPLE AND NON-INVASIVE PROCEDURE** increases patients' willingness to take the test.

# HOW ACTIM COMBI HEMOGLOBIN TRANSFERRIN HELPS

Feces do not normally contain measurable amounts of blood, thus occult blood in feces is a sign of bleeding in the gastrointestinal tract. This may have other causes, for example, hemorrhoids, but may also be a sign of colorectal cancer.

Accurate detection of invisible amounts of blood in feces is essential for early diagnosis and treatment. For example, the five-year survival rate of colorectal cancer is up to 90% in early-diagnosed cases, but declines rapidly if the cancer has progressed further.

**Actim Combi Hemoglobin Transferrin** detects gastrointestinal bleeding even before visible signs occur, and helps to avoid unnecessary, uncomfortable, and costly exams. The test has **optimal sensitivity** (Table 1), which makes it an ideal screening tool.

The one-step test protocol of Actim Combi Hemoglobin Transferrin requires only 15 seconds of hands-on time and results are given on the spot in just 10 minutes. The test kit contains all the necessary materials and can be stored at room temperature.

The test is specific to human hemoglobin and transferrin only, **NO DIETARY RESTRICTIONS** are needed before testing.

**TABLE 1.** Actim Combi Hemoglobin Transferrin has optimal sensitivity compared to a reference test.

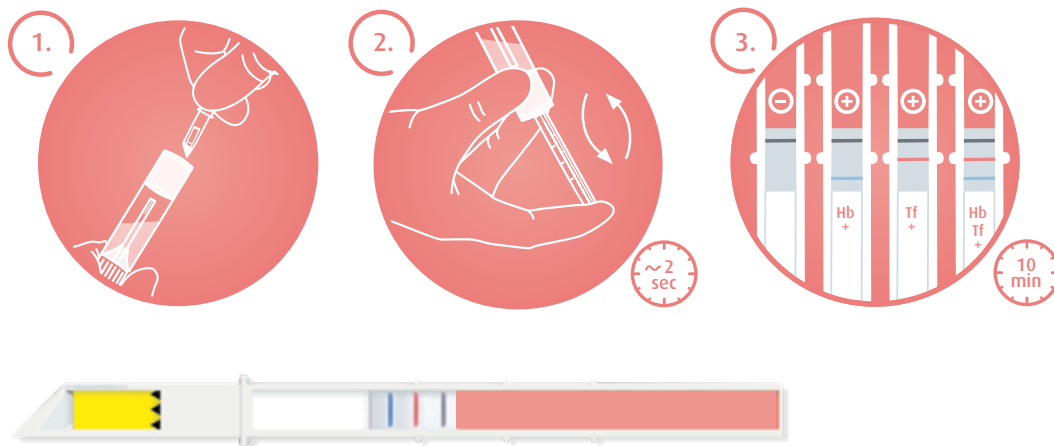
Comparison results of the Hemoglobin line			
Actim Combi® Hemoglobin Transferrin	Reference: CerTest FOB-Transferrin		
	POS	NEG	TOTAL
POS	26	3	29
NEG	0	76	76

OVERALL AGREEMENT 97.1% n=105

Comparison results of the Transferrin line			
Actim Combi® Hemoglobin Transferrin	Reference: CerTest FOB-Transferrin		
	POS	NEG	TOTAL
POS	35	3	38
NEG	4	63	67

OVERALL AGREEMENT 93.3% n=105

# HOW TO USE ACTIM COMBI HEMOGLOBIN TRANSFERRIN



**FIGURE 1.**  
 1. Perforation  
 2. Test activation  
 3. Result interpretation



The test kit contains all necessary materials and can be stored at room temperature.

Dual detection of hemoglobin and transferrin  
**REVEALS BLEEDING**  
 throughout the gastrointestinal tract.

## CONTACT US

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Ordering information	
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