



Bioline™ CHAGAS Ab

Accurate and Fast Diagnosis

Chagas disease, or American trypanosomiasis, is caused by the parasite *Trypanosoma cruzi*. Infection is most commonly acquired through the bite of infected triatominae (or “kissing bug”), a blood-sucking insect that feeds on humans and animals. The disease may also be spread through blood transfusion, organ transplantation, eating food contaminated with the parasites and vertical transmission (from a mother to her fetus).



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WHY IS IT IMPORTANT TO DETECT THE ANTIBODY OF CHAGAS DISEASE?

The diagnosis of Chagas disease can be made by observation of the parasite in a blood smear by microscopic examination. However, a blood smear works well only in the acute phase of infection when parasites are seen circulating in blood.

Diagnosis of chronic Chagas disease is made after consideration of the patient's clinical findings, as well as by the likelihood of being infected, such as having lived in an endemic country.

Therefore, to diagnose chronic Chagas, the serological test for antibody to the parasite is preferable instead of direct parasite detection by microscopic examination.

Diagnosis is generally made by testing with at least two different serology-based tests.

FACTS ABOUT CHAGAS¹

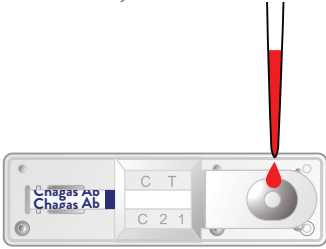
- 6 to 7 million people are estimated to be infected worldwide, mostly in Latin America
- Chagas is present in 21 countries in Latin America. It has also been increasingly detected in the United States, Canada and many European and some Western Pacific countries
- The disease is curable if treatment is initiated soon after infection


FEATURES OF THE Bioline™ CHAGAS Ab

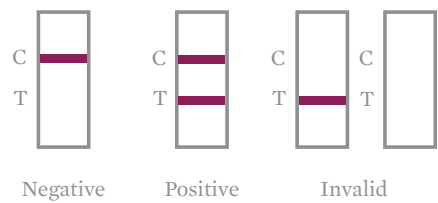
- ICA rapid test for the detection of antibodies to *Trypanosoma cruzi*
- Effective test for acute and chronic Chagas infection
- Specimen: Serum, plasma or whole blood (100 µL)
- Fast test result: 15 minutes

TEST PROCEDURE

- 100 µL (serum, plasma or whole blood)


- Interpret test results at 15 minutes


- Interpret



Negative Positive Invalid

PERFORMANCE

	Commercial ELISA	
	POSITIVE	NEGATIVE
Bioline™ Chagas Ab	<p>POSITIVE 139*</p> <p>NEGATIVE 1</p>	<p>0</p> <p>180</p>
Total	140*	180

Bioline™ CHAGAS Ab

Sensitivity	99.3% (139/140)
Specificity	100% (180/180)

ORDER INFORMATION

PRODUCT NAME	CAT. NO.	SAMPLE TYPE	TYPE	PACK SIZE
Bioline™ Chagas Ab	49FK10	Serum/Plasma/Whole Blood	Device	25 Tests/Kit

FOR MORE INFORMATION, CONTACT YOUR LOCAL ABBOTT REPRESENTATIVE OR VISIT GLOBALPOINTOF CARE.ABBOTT

ICA = immunochromatographic assay

*Positive samples were selected from the National Reference Laboratory for Chagas and Leishmaniasis in Honduras.

1. WHO Chagas Disease Facts. <https://www.who.int/news-room/facts-in-pictures/detail/chagas-disease>

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