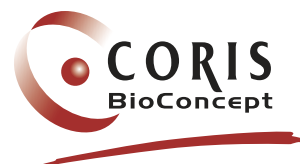


T.cruzi OligoC-Test

**Rapid diagnostic of *Trypanosoma cruzi*.
Molecular amplification and oligochromatographic
detection.**

- High sensitivity and specificity
- Single sample analysis
- Carry-over contamination proof
- Safety (no Ethidium Bromide)
- Genuine PCR Internal Control



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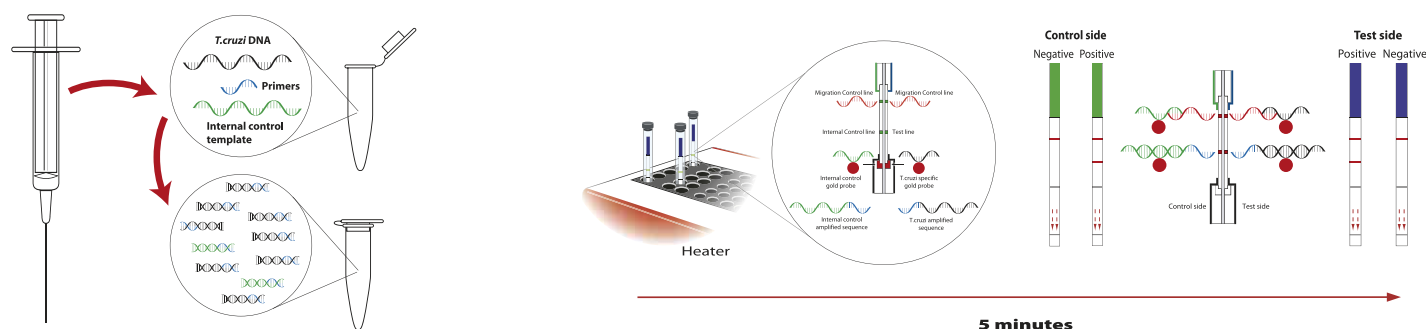
T. cruzi OligoC-Test

Sample - Extraction

Amplification

Hybridization - Detection

Results



This test consists of a DNA amplification of a *T. cruzi* satellite DNA sequence followed by a single one-step oligochromatographic membrane assay using colloidal gold particles and specific oligonucleotide probes.

Molecular amplification is performed using the ready-to-use mix included in the OligoC-Test kit. An internal control (IC) template, included in the Ampli-Mix, is amplified by the same primers than the *T. cruzi* target sequence and allows to check for any inhibitory effects to validate negative results.

Only the Taq polymerase and the DNA sample have to be added to the mix. When the DNA amplification is completed, the Oligo-Strip is dipped in the PCR product. The amplicons hybridize with their specific gold probes in the bottom part of the Oligo-Strip. They continue to migrate by capillary action and IC and *T. cruzi* amplicons are respectively accumulated on the IC and *T. cruzi* specific capture reagent areas. Pink/purple lines develop at sites of the immobilized capture reagent if corresponding amplicons are present. Excess gold probes hybridize on their complementary probes coated on both sides of the stick at the sites of migration control lines to confirm proper migration. All those steps require only one single manipulation.

Performances of the test

Detection limit

0.5 fg DNA/PCR (DNA diluted in H₂O)
i.e. 1 parasite per 180µl of blood sample

Specificity & sensitivity

The specificity on 108 negative control patients is at 100%. The sensitivity on 33 *T. cruzi* infected human patients reached 94-100% and 100% on 27 *T. cruzi* infected vectors or animals.

Specificity/Species identification

T. cruzi strains from all 6 lineages (I, IIa, IIb, IIc, IId, and IIe) are detected. The OligoC-Test does not cross react with: *L. donovani*, *M. tuberculosis*, *T.B. gambiense*, *S. mansoni* and *P. falciparum*. Detection of some *T. rangeli* strains but only at high concentration (corresponding to 10,000 to 1 million of parasites/ml).

For more technical information

client.care@corisbio.com

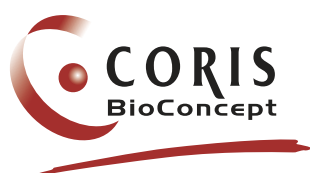
Ordering Information

Product Name	Description	Storage	Code
T. cruzi OligoC-Test	20 individual strips, tubes, stoppers Mix, running buffer, positive control	4°C to 30°C (Ampli-Mix: -20°C)	C-3404

All diagnostics available in Coris BioConcept catalogue :

Adenovirus, Adenovirus (Respiratory), Adenovirus 40 and 41, *Clostridium difficile*, Bovine Coronavirus, *Cryptosporidium*, *Escherichia coli* O157, *Escherichia coli* K99, *Giardia*, *Helicobacter pylori*, Influenza A and B viruses, *Legionella pneumophila*, Respiratory Syncytial Virus, Rotavirus. Mefloquine, Proguanil. *Leishmania spp.*, *Trypanosoma cruzi*, *P. aeruginosa* efflux.

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MADE IN BELGIUM

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