

Leishmania OligoC-Test

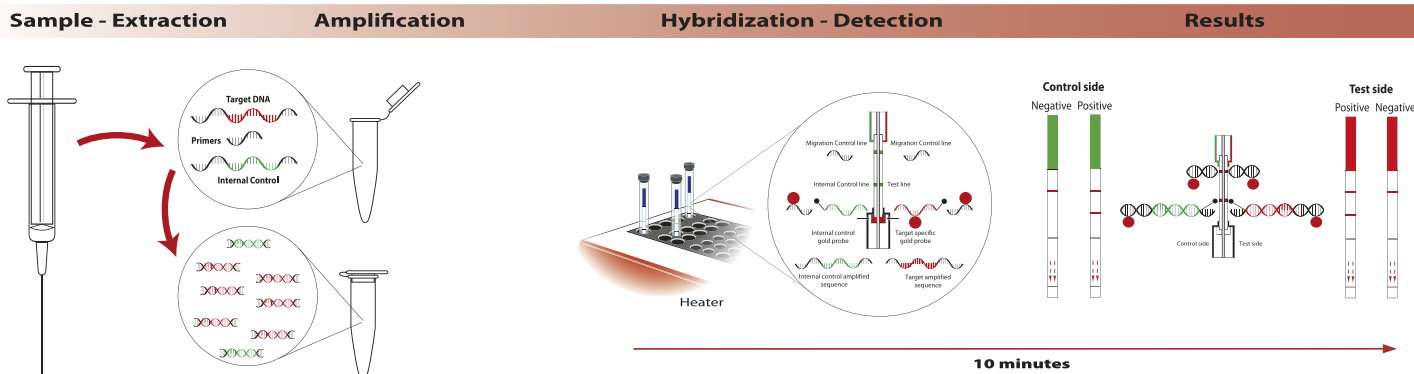
**Rapid diagnostic of *Leishmania*.
Molecular amplification and oligochromatographic
detection.**

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



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Leishmania OligoC-Test



This test consists of a DNA amplification of a *Leishmania* 18S ribosomal gene 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 *Leishmania* 18S 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 *Leishmania* amplicons are respectively accumulated on the IC and *Leishmania* 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

10 fg genomic DNA/PCR
i.e. 1 parasite/PCR (10 parasites/180µl of blood)

Detected Species

L. amazonensis, *L. braziliensis*, *L. guyanensis*, *L. major*,
L. peruviana, *L. mexicana*, *L. panamensis*, *L. lainsoni*,
L. tropica, *L. aethiopica*, *L. infantum* & *L. don*.

Specificity & sensitivity

This evaluation was done on biopsy and lancet scraping, with culture and/or smear as gold standard

		Culture and/or smear		
		Positive	Negative	Total
Leishmania OligoC-Test	Positive	52	0	52
	Negative	4*	8	12
Total		56	8	64

Sensitivity: 93%* Specificity: 100%

* Amongst these 4 negative samples, 3 were negative with a PCR targeting kDNA indicating a possible absence of parasite in the biopsy fragment used for DNA extraction. These 3 "true" positives allow to reach 98% sensitivity.

For more technical information

client.care@corisbio.com

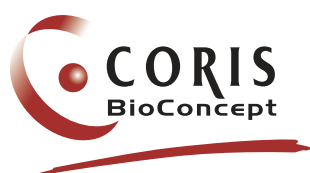
Ordering Information

Product Name	Description	Storage	Code
Leishmania OligoC-Test	20 individual strips, tubes, stoppers Mix, running buffer, positive control	4°C to 30°C (Ampli-Mix: -20°C)	C-3405

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.

Distributed by:



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MADE IN BELGIUM

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