

# Simplified molecular diagnosis for leishmaniasis

## Problema

Leishmaniasis is a global public health problem and presents symptoms similar to other diseases which makes it essential to confirm suspected cases through laboratory diagnosis. Molecular diagnosis based on the polymerase chain reaction (PCR) technique is highly accurate. However, its use is restricted to reference laboratories due to the need for a complex laboratory infrastructure and qualified professionals.

## Solução

The proposed technology consists of the creation of a new set of primers and method for the Loop-mediated Isothermal Amplification (LAMP) assay to quickly and accurately detect and identify Leishmania DNA in biological samples from human patients with visceral leishmaniasis, and integumentary, and in dogs with visceral leishmaniasis. As it is easy to perform and interpret, the test can be carried out in laboratories with less complexity by local professionals, and in basic health units.

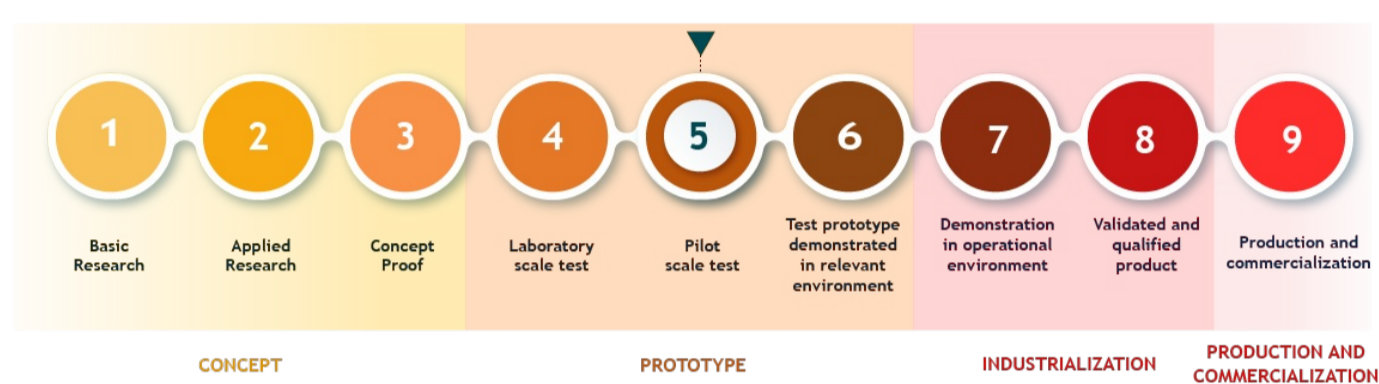
## Diferencial

High accuracy

Simple execution

Redução de custos

## Estágio de Desenvolvimento



## O que buscamos?

Co-development or technology licensing agreement.

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## Inventores

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## Propriedade Intelectual

Tipo  
Patente de Invenção

Descrição  
Patent application filed in Brazil, China and India

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