Innovation Portfolio

Recombinant protein for diagnosis of bovine fasciolosis

Problem

Fasciolosis is a zoonotic disease with a wide geographical distribution. It is caused by a worm that lodges in the liver of animals and can limit the breeding of several animal species, in addition to affecting humans as occasional hosts. There are approximately 180 million people at risk of infection. In the Brazilian state of Rio Grande do Sul, it affects 15% of the herd and can generate agriculture losses, which can compromise up to 25% of bovine weight gain. It is a silent disease, so diagnosis is important for disease control in animals and human transmission. However, current serological diagnosis is expensive.

Solution

The solution proposes developing recombinant protein expression methods to improve the diagnosis of bovine fasciolosis, with specific targets validated with a panel from the southern region of Brazil, easier and with a low cost of production. The test can be used for both animal and human diseases.

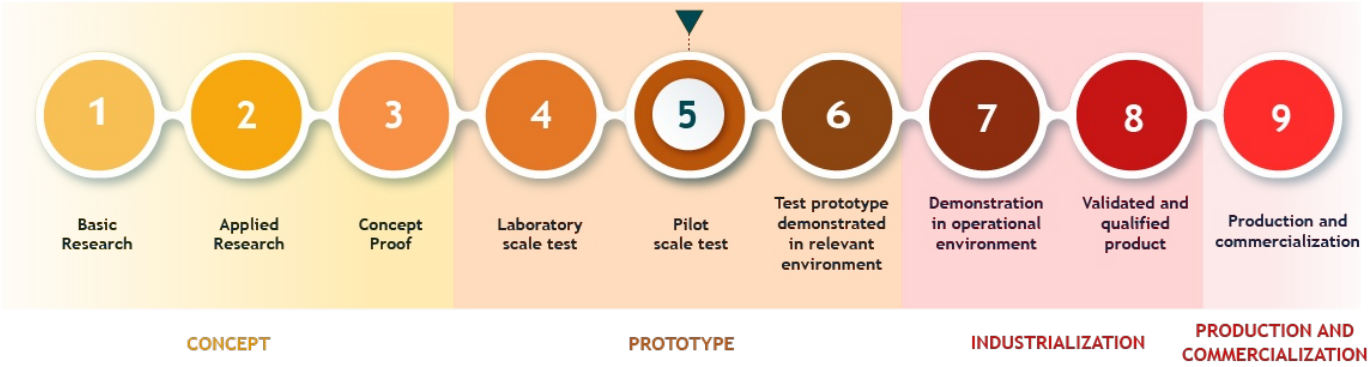
Differential

Lower cost

Specificity

Uso humano e veterinário

Development stage



What we are searching for

Licensing, co-development, and provision of specialized service.

WANT MORE INFORMATION? CONTACT US!

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