



BCIL Biotech Consortium India Limited

A Phyto-formulation to control tick infestation in animals

TECHNOLOGY AVAILABLE FOR TRANSFER

BACKGROUND

Globally, more than 80% of the cattle population is exposed to tick infestations which cause harm to animals through blood loss, general stress, and irritation. Ticks are one of the major vector for transmission of diseases. Also, tick infestation damages to hides and skins. Acaricides are commonly used to control tick infestation. However, due to the indiscriminate use of acaricides, ticks have developed resistance to these drugs. The Invention provides a Phyto-formulation with shampoo base to control tick infestation in animal.

STAGE OF DEVELOPMENT

- Lab-scale (TRL-3) technology ready for industrial up scale.
- Tests on physical appearance and foaming ability conducted.
- Efficacy against ticks tested with various in-vitro and in-vivo bioassays.
- Safety, stability and field trial study

UNIQUE SELLING PROPOSITION

- An eco-friendly, safe, and effective phyto-formulation for managing acaricide-resistant ticks infestation on livestock.
- Replaces and/or reduces the use of synthetic insecticides in animals and the environment.
- Anti-tick activity imparted by plant extract on both adult and larvae.
- No allergic reaction reported when tested on the skin on tick infested cattle.
- Gives good protection against dog ticks.

INTELLECTUAL PROPERTY

Indian Patent Application filed

LICENSING OPPORTUNITY

BCIL is looking for suitable industrial partner for commercialization of this Technology.

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