



BOVICOR PHARMATECH INC.

NON-ANTIBIOTIC TREATMENT OF BOVINE RESPIRATORY DISEASE COMPLEX (BRDc)

\$207K

FUNDED BY THE CANADA-
BC AGRI-INNOVATION
PROGRAM

Background

- Bovicor Pharmatech Inc. is a Vancouver based company that is developing alternatives to antibiotics for the prevention of disease in animals. There is a concern that use of antibiotics in agriculture is reducing the effectiveness of antibiotics in combating human illness.
- Bovicor developed a non-antibiotic product called BOVINEX™ to prevent BRDc in beef cattle.
- The active ingredient in BOVINEX™ is Nitric Oxide, a naturally occurring compound which may also be used to treat organic beef animals.
- Initial studies on 60 cattle were promising.

Funding from the Governments of Canada and British Columbia has allowed the company to:

- Expand the study to 1,080 cattle.
- Demonstrate that mortality in the BOVINEX™ group was 25% less than the Micotil® (antibiotic) cohort and that the intranasal administration of BOVINEX™ was safe for the animals.
- Re-direct their efforts to developing a similar non-antibiotic treatment for mastitis and hoof disease in dairy cattle.



POTENTIAL GLOBAL
REVENUES OF \$33-166
MILLION AFTER 5-7YEARS
ON THE MARKET



POTENTIAL TO SLOW THE
DEVELOPMENT OF
BACTERIA THAT ARE
RESISTANT TO CRITICAL
ANTIBIOTICS

Bovine Respiratory Disease Complex (BRDc)

-Is a contagious bacterial disease that affects dairy and beef cattle health and was only treatable using antibiotics. It accounts for 65-80% of sickness and 45-75% of bovine deaths in feedlots

Benefit to British Columbia

- New intellectual and organizational capacity to develop non-antibiotic drugs to treat animal disease.
- A market opportunity with global potential.
- A potential opportunity to reduce the development of bacterial resistance to critical human antibiotics.

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