



School of
Veterinary Medicine

Disclosure 1013

Effective Bovine Coronavirus Vaccine

Inventors: Konstantin G. Kousoulas, Vladimir Chouljenko

Description:

AgCenter scientists have invented a vaccine and diagnostic for Bovine Coronavirus (BCoV). This disease often leads to decreased milk productions, weight loss and sometimes death in cattle and calves. Studies with the vaccine have shown that it helps the cattle's immune system produce more BCoV antibodies to fight the disease and protects the herd from catching virus through other infected cattle. Elements of the vaccine can be purified to form an advanced diagnostic that can detect the presence of BCoV to help isolate and prevent future outbreaks.

Advantages:

- More effective BCoV vaccine
- More accurate BCoV diagnosis

Commercial Uses:

- Vaccine for BCoV
- Diagnosis of BCoV

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