

Name of Technology :Isometamidium chloride-loaded nanoformulation

Technology Details:

Trypanosomosis caused by *Trypanosoma evansi*(Surra) has been recorded worldwide and is a major constraint to livestock productivity in Asia, Africa and South America. This disease has a significant impact on the mortality rates of livestock across the world. The disease has also a major economic impact in India. It affects a wide range of domestic and wild animals. The quinapyramine sulfate is a recommended trypanocidal drug, but also entails untoward side-effects when administered for therapeutic purpose. Isometamidium chloride is a recommended trypanocidal drug, but also entails untoward side-effects when administered for therapeutic purpose. We have also formulated nano based delivery system for trypanocidal isometamidium chloride drug. The ISMM NPs were found to be non-toxic, bio-compatible, bio-degradable, and physico-chemically stable and effective against parasite *T. evansi* in lab animal models at reduced doses and frequency.

Salient points

- The dose of Isometamidium chloride and frequency of administration is reduced
- Reduces the unwanted side effects, hence increasing patient compliance.
- Provides maximum therapeutic activity by preventing drug degradation during transit.
- Allow sustained release of drug.

We seek collaboration of the desired companies for scale up production and its evaluation in large animals.

Licensing terms

- Nature of License: Non-exclusive
- Duration of the License: 10 years
- License fee:
 - Territory of India: ₹ 2.0 lakh + applicable taxes with 5 % royalty on net-invoice value + applicable taxes
 - Territory of Overseas: USD 8,000 (or an equivalent amount in INR)+ applicable taxes

- Training support: Up to 3 Persons nominated by the licensee shall be trained for the period up to 5 days. The cost of training to be imparted by the institute is included in the licensing fee. The expenses for boarding and lodging and travel of the licensee personnel shall be borne by the licensee.
- All statutory compliances related to production, sales, transportation, storage and performance of the product in the field to be fulfilled by the licensee.
- 10% concession can be given to a company that is buying both the formulations, in one go on total License Fee.