

# **NBSE Boar Semen Extender**

## **Background**

The use of artificial insemination (AI) in swine is based on liquid extended semen. Typically, an ejaculate from a single or multiple boars is collected, and then processed individually or pooled. Pooling semen takes advantage of the improved fertility of some boars and minimizes the effects of a sub-fertile boar (or sub-fertile ejaculate). In either case the ejaculate or ejaculates are evaluated, and processed to extend its volume in order for multiple females to be inseminated from a single ejaculate. Semen fertility must also be extended over days because raw semen is only fertile for hours after collection. Hence, there is a need to extend the shelf life of the semen through the extender.

## **Technology Details**

The extender is a formulation in powder form. This can be dissolved in double distilled water to make volume 1 liter. This is the extender for the preservation of boar semen at 15-17°C for at least 72 hours.

## **Licensing terms**

- Nature of License: Non-exclusive
- Duration of the License: 5 years
- License fee:
  - India: Rs. 2.50 Lakh + applicable taxes
- Royalty:
  - 2<sup>nd</sup> and 3<sup>rd</sup> Year: 2% of Gross sales
  - 4<sup>th</sup> & 5<sup>th</sup> Year: 3% of Gross Sales
- 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 personal shall be borne by the licensee.*
- All statutory compliances related to production, sales, transportation, storage to be fulfilled by the licensee.