



## **Hippex, an equine semen extender for fresh use and cooled transport.**

Hippex is a high quality equine semen extender or preservation medium that contains pharmaceutical and analytical grade ingredients.

Hippex contains the innovative ingredients Pronexcell and Lipex.

Pronexcell is a mixture of proteins that is purified using the latest innovation in protein purification technology, while Lipex is a proprietary mixture of lipids.

Pronexcell proteins protect the sperm cell against the damaging effect of components present in the seminal fluid, prevent cell aggregation or cell clotting and protect against the damaging effect of temperature shock.

Lipex is a mixture of microscopically small lipid particles that act as antioxidants, stabilize the outer sperm cell wall and improve the motility of sperm cells during storage.

Hippex is delivered as a powder in small sealed jars that contain 22.5 gram powder for the preparation of 250 ml semen extender. Hippex powder has been micronized to deliver a powder that will dissolve easily in warm water without lump forming.

The Hippex extender is developed for dilution of equine semen immediately after sperm collection, without the need for centrifugation of the semen.

Hippex contains the antibiotic gentamycin, which is recommended for use in semen extenders for cooled storage and transport.

All Hippex lots produced are tested for biochemical and physical characteristics. Moreover, each lot is tested in vitro for performance with respect to storage capacity of sperm cells using extensive motility analysis using computer-assisted sperm analysis.

### **Transport instructions.**

It is recommended that the Hippex powder is transported to distributors and customers in polystyrene boxes to avoid temperatures higher than 25 °C and that the time in transit is restricted to three days. If high temperatures are to be expected during transit, then it is recommended to use cool packs in the polystyrene boxes.

### **Storage Instructions.**

Immediately upon receipt, it is recommended that Hippex jars with powder be stored in a refrigerator until needed. The shelf life is then minimally 12 months. But for best results, use the powder before the date mentioned on the labels.