



## **Pulse NeedleFree Systems Announces Launch of the Pulse 50 Micro Dose Injection System**

LENEXA, KS, October 1, 2007 – Pulse NeedleFree Systems, Inc. today announced the launch of the Pulse 50™ Micro Dose Injection System as the latest addition to Pulse's line of high workload needle-free injection systems for animal health pharmaceutical products.

The Pulse 50 Micro Dose Injection System is designed to complement Pulse NeedleFree Systems' existing line of animal health injection systems by enabling transdermal needle-free injections at very small dosage volumes. The Pulse 50 Micro Dose Injection System provides dose-accurate injections at volumes as low as 0.1 ml. Designed with swine producers in mind, the Pulse 50 Micro Dose Injection System is ideal for administering low-dose antibiotic products in baby pigs. The adjustable dose range of the Pulse 50 is 0.1 ml to 0.5 ml, making it the ideal adjunct to the Pulse 250™ and Pulse 500™ injection systems that facilitate needle-free injections for dose ranges from 0.5 ml to 5.0 ml.

The Pulse 50 Micro Dose Injection System is small, lightweight and easy to use. Powered by CO<sub>2</sub>, Nitrogen or Compressed Air, the Pulse 50 offers the rapid cycling (approx. 3 injections per second) required by today's livestock production operations. Because it is needle-free, there are no problems with physical hazards in the meat supply or needle-based transmission of disease between production animals.

Seaboard Foods, one of the world's largest pork producers, has been using the Pulse 50 Micro Dose Injection System on a trial basis as part of a limited marketing evaluation. "Seaboard Foods eliminated all conventional injection devices using needles in October of 2006," said Dr. Luc Dufresne, Seaboard Foods' Director of Health Assurance. "The Pulse 50 Micro Dose Injection System fills a critical role in our sow farms and nursery farms where small, accurate doses of medication are essential. Our employees appreciate the fact that the Pulse 50 is user friendly and versatile."

About Pulse NeedleFree Systems: Pulse NeedleFree Systems, Inc. is the leading developer of needle-free injection systems for the animal health industry. The primary applications for Pulse's products are vaccines, antibiotics and other injectables that are used to treat animals in large livestock operations. Our corporate headquarters are in Lenexa, Kansas and we have field service technicians located throughout the United States. Please visit our website at <http://www.pulse-nfs.com> .