

**VETrak™ System Test & Accuracy Result**  
**Swine Medications**  
January 21, 2014

<b>Medication Types / Names (For Swine)</b>	<b>Mfg</b>	<b>Volume (ml)</b>	<b>Carrier / Appearance</b>	<b>Temperature RT = 28<sup>0</sup>C REFR = 7<sup>0</sup>C</b>	<b>VETrak™ Response Accuracy ***</b>
<u>Vaccines</u>					
INGELVAC MYCOFLEX ®	Boehringer Ingelheim	50	Water	Room Temp (RT)	Yes
INGELVAC MYCOFLEX ®* <sup>2</sup>	Boehringer Ingelheim	250	Water / Milky	Room Temp	Yes
MYCO SILENCER® ONCE* <sup>4</sup>	Merck	500	Water / Milky	Room Temp Refrigerator** (REFR)	Yes
TOXIVAC® AD&E	Boehringer Ingelheim	100	Water / Milky	Room Temp	Yes
<u>Pharmaceuticals</u>					
EXCEDE® FOR SWINE* <sup>1</sup>	Zoetis	100	Mi glycol & cottonseed oil	Room Temp	Yes
FERRODEX® 100	Agri Laboratories	100	Water	Room Temp	Yes
IVOMEK® 1% INJECTION	Merial	50	Water-pink-color	Room Temp	Yes
LINCOMYCIN 300 (BIMEDA) * <sup>5</sup>	Aspen Veterinary Resources	100	Benzyl alcohol	Room Temp Refrigerator**	Yes Yes
TYLAN®200 INJECTION	Elanco	250	50% propylene glycol, 4% benzyl alcohol, and water	Room Temp	Yes
UNIFERON® 200* <sup>3</sup>	Pharmacosmos	100	Water-thick-dark- color	Room Temp Refrigerator**	Yes

**\*1 to \*5** - based upon cost and volume usage, 5 medications, in decreasing order of priority, will go through rigorous testing and calibration to establish accuracy and reproducibility which are influenced by hardware , software and medication electrical characteristics.

\*\* In each case, the accuracy of RT and REFR (+/- 0.03 - 0.42 %) measurements were comparable - therefore the effects of temperatures (7<sup>0</sup> - 28<sup>0</sup> C ) can be concluded as negligible

\*\*\* Most Frequent Initial Accuracy = +/- 0.2 - 5 %