Industry trends indicate that average swine herd size is increasing. So, too, is the economic damage caused by infectious swine diseases like swine pleuropneumonia, caused by *Actinobacillus pleuropneumoniae* (APP), and porcine reproductive and respiratory syndrome (PPRS). With profits on the line, diagnostic testing is no longer discretionary; it’s necessary. The IDEXX APP-ApxIV Ab Test lets you detect APP before it harms herds and producer profits. With 99.8% specificity, 80.8% sensitivity and a positive predictive value (PPV) of 99.6% on the individual animal level, the test provides:

**Comprehensive screening in one test.** With at least 15 known serotypes and 4 RTX toxins, APP has been a diagnostic challenge, often requiring multiple strain-specific tests to assess herd status. The IDEXX test overcomes this challenge by identifying antibodies to ApxIV—the only toxin common to all APP serotypes. One test reveals an entire herd’s APP status for all serotypes.

**Accurate detection with no cross-reactivity.** ApxIV appears only in hogs that are infected with APP. The superb specificity of the IDEXX APP-ApxIV Ab Test lets you know, absolutely, whether APP is in your herd—no false positives caused by cross-reactivity with other bacteria.

**Clear differentiation between vaccinated and infected animals.** Pigs immunized with inactivated vaccines don’t generate antibodies against ApxIV, so results are conclusive. Vaccinated pigs remain ApxIV-negative; only infected pigs test ApxIV-positive.
Efficient, reliable testing.

- Indirect, single-phase ELISA means no duplicate testing is required.
- Time-saving protocol provides results in less than 3 hours.
- Strip plates give you the option to quickly test as few or as many samples as you would like.
- Serum or plasma samples provide flexibility for running other tests on the same sample.
- IDEXX xChek® software allows you to analyze the distribution of infection in a herd.

Better disease control. Controlling APP requires early detection, routine monitoring, and appropriate intervention. With the IDEXX APP-ApxIV Ab Test, you can:

- Identify APP-positive herds early, when antibiotics can help prevent clinical symptoms and stop the spread of disease.
- Determine the APP status of the entire herd with one test, and reserve strain-specific testing for known APP-positive animals.
- Assess immunity levels to optimize vaccine timing in piglets.
- Monitor the success of your treatment and vaccination programs.

With a disease as costly as APP, detection and protection are necessary. Counteract the economic threat with reliable, comprehensive screening. For more information about the IDEXX APP-ApxIV Ab Test, please contact your IDEXX representative.