Introducing a comprehensive testing system for swine enteric coronaviruses. Four new IDEXX RealPCR™ reagents detect and differentiate between viral agents that cause severe, acute diarrhea and threaten swine operations worldwide. With accurate and timely identification, veterinarians and producers can now be confident in their efforts to manage outbreaks and promptly implement improved biosecurity measures.

Swine enteric coronaviruses are characterized by acute, rapidly spreading diarrhea and cause high mortality in neonatal pigs. The emergence of porcine epidemic diarrhea virus in 2013 has caused losses of more than 8 million pigs—over 5% of U.S. pork production. In addition, enteric coronaviruses have been difficult to control and eradicate because immunity is not long-lived.

RealPCR reagents for swine enteric coronaviruses are part of the IDEXX RealPCR™ Modular System, which provides diagnostic laboratories with rapid, efficient testing options and reliable results.

**Introducing maximum flexibility in testing**

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<th>Enteric coronavirus</th>
<th>Impact of clinical disease</th>
<th>IDEXX RealPCR Reagents</th>
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<td>Porcine epidemic diarrhea virus (PEDV)</td>
<td>Up to 100% mortality in preweaned pigs that lack immunity&lt;sup&gt;1&lt;/sup&gt;</td>
<td>RealPCR™ PEDV RNA Reagents or RealPCR™ PEDV/PDCoV Multiplex RNA Reagents</td>
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<tr>
<td>Porcine deltacoronavirus (PDCoV)</td>
<td>30–40% mortality in preweaned pigs that lack immunity&lt;sup&gt;2&lt;/sup&gt;</td>
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<td>Transmissible gastroenteritis virus (TGEV)</td>
<td>~50% mortality in neonatal pigs&lt;sup&gt;3&lt;/sup&gt; that lack immunity</td>
<td>RealPCR™ TGEV RNA Reagents</td>
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<sup>1</sup> Up to 100% mortality in preweaned pigs that lack immunity.<br>
<sup>2</sup> 30–40% mortality in preweaned pigs that lack immunity.<br>
<sup>3</sup> ~50% mortality in neonatal pigs that lack immunity.
Safeguard your operation against swine enteric coronaviruses.

IDEXX RealPCR reagents facilitate:

• Detection of and differentiation between RNA of PEDV, PDCoV and TGEV
• Robust biosecurity programs to minimize disease transmission
• Monitoring of controlled exposure programs
• Monitoring of safe (nonshedding) animal movement

Ensure consistent, repeatable results with the IDEXX RealPCR Modular System

Run IDEXX RealPCR reagents side by side to maintain fast run protocols and increase laboratory work-flow efficiency.

• A single cycling protocol ≤ 70 minutes
• Standardized reagents
• Run on a single plate regardless of pathogen or species

Contact your IDEXX representative for a complete list of all available RealPCR reagents and schedule training for your laboratory today.