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Zoetis Adds Artificial Intelligence Blood Smear Testing to Vetscan Imagyst™

First-of-its-kind, multi-purpose technology now offers artificial intelligence (AI) blood smear and fecal testing, along with digital cytology in a single platform, furthering company commitment to diagnostics that drive animal care

PARSIPPANY, N.J. – April 19, 2022 – Zoetis today announced its latest innovation in diagnostics with the addition of artificial intelligence (AI) blood smear testing to its multi-purpose platform, Vetscan Imagyst™. Introduced in September 2020, Vetscan Imagyst is a first-of-its-kind technology with a multitude of applications, including AI fecal analysis, digital cytology image transfer and now AI blood smear – ultimately helping veterinarians broaden in-clinic diagnostic offerings to provide the best possible care for dogs and cats.

The Vetscan Imagyst AI-driven blood smear capability efficiently delivers critical information that will assist veterinarians in making diagnoses of, and guiding treatment decisions for, animals who are sick or those with hematologic abnormalities. "A blood smear review is a recommended part of hematology analysis following an automated complete blood count," said Richard Goldstein, Vice President and Chief Medical Officer Global Diagnostics at Zoetis. "However, this step is often not completed in veterinary hospitals due to lack of experience, time and training."

Vetscan Imagyst provides an easy and innovative solution by using deep machine learning AI to accurately[1] and efficiently provide important blood smear results within minutes. Equipping veterinarians with this real-time crucial information, including estimated platelet count and white blood cell differentiators, drives better patient care and accurate diagnoses of blood disorders such as anemia.

"With the launch of AI blood smear, Zoetis furthers its commitment to innovative diagnostics," said Mike Sullivan, Senior Vice President and Head of U.S. Diagnostics at Zoetis. "As technology continues to evolve, Zoetis will add new applications, providing veterinarians and their staff with the most advanced technology solutions that enable them to make important treatment decisions at the point of care."

Delivering efficient and actionable results, Vetscan Imagyst blood smear application uses AI-driven analysis to:

- Clarify abnormalities to supplement complete blood count (CBC) results;
- Provide an estimated platelet count and identify the presence of platelet clumps, which may impact platelet count;
- Verify a white blood cell (WBC) differential (relative percent of each cell type) and absolute estimated count; and
- Identify and count polychromatophils (immature red blood cells, like reticulocytes – a key indicator of possible regeneration in anemic patients).

As needed, there is always the option to submit a digital blood smear image for expert review by clinical pathologist within the Zoetis virtual lab without rescanning the slide.

"Vetscan Imagyst has had a tremendous impact on our practice," commented Jonathan Marquez, CFO and Business Manager at Northwood Animal Hospital, High Point, North Carolina. "Adding this to our existing testing capabilities brings our level of care to a higher standard. Not only has it increased our efficiency, but it has also taken a great burden off our staff's shoulders."

Vetscan Imagyst is available in the US, UK, Canada, EU, Australia and New Zealand. Zoetis encourages veterinarians to speak to their Zoetis representatives to learn more about Vetscan Imagyst, or to visit www.VetscanImagyst.com.

[1]Study Report No. D7045-US-21-045 (v1.0)

About Zoetis

As the world's leading animal health company, we are driven by a singular purpose: to nurture our world and humankind by advancing care for animals. After 70 years innovating ways to predict, prevent, detect, and treat animal illness, we continue to stand by those raising and caring for animals worldwide - from livestock farmers to veterinarians and pet owners. The company's leading portfolio and pipeline of medicines, vaccines, diagnostics, and technologies make a difference in over 100 countries. A Fortune 500 company, we generated revenue of $7.8 billion in 2021 with ~12,100 employees. For more, visit www.zoetis.com.

About Vetscan Imagyst™

Vetscan Imagyst is the first-of-its-kind technology, offering multiple applications in a single platform. Using a compact scanner along with AI capabilities and backed up by a global network of board-certified clinical pathologists, Vetscan Imagyst delivers fast, efficient blood smear, fecal and cytology results. Learn more at www.vetscanimagyst.com.