

# **North America Companion Animal Diagnostics Market Forecast to 2030 - Regional Analysis - by Technique (Immunodiagnosics, Clinical Biochemistry, Molecular Diagnostics, Urinalysis, Hematology, and Others), Product (Instruments and Consumables), Application (Bacteriology, Clinical Pathology, Virology, Parasitology, and Others), Companion Animal Type (Dogs, Cats, Horses, and Others), and End User (Diagnostic Laboratories, Veterinary Hospitals and Clinics, Research Institutes, and Others)**

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## **Abstracts**

The North America companion animal diagnostics market was valued at US\$ 1,193.10 million in 2022 and is expected to reach US\$ 2,361.90 million by 2030; it is estimated to register a CAGR of 8.9% from 2022 to 2030.

### **Technological Advancements Fuel North America Companion Animal Diagnostics Market**

Improvements in diagnostic technologies to support the early detection of diseases have contributed to the greater success of treatment of chronic diseases in pets. In recent years, technological advancements in animal diagnostics have resulted in the development of more accurate, sensitive, and specific diagnostic tests. The use of next-generation sequencing (NGS) technology is a significant advancement in companion animal diagnostics. NGS is a powerful tool that allows for the rapid and simultaneous analysis of multiple genes, enabling the identification of genetic mutations that may be

linked to a specific disease. NGS has also unlocked more sensitive and specific diagnostic tests for cancer, hereditary diseases, and other similar diseases. For example, A new All-in-One Microbial Test has been introduced by MiDOG, LLC. The test finds every type of bacteria, both anaerobic and aerobic, fungus, and antibiotic resistance on canine specimens using next-generation DNA sequencing (NGS).

Moreover, there has been an increase in the use of artificial intelligence (AI) and machine learning in companion animal diagnostics. AI-powered algorithms can be implemented in diagnostics to analyze large volumes of data to identify patterns and make predictions, which can help improve the accuracy and efficiency of diagnostic tests.

## North America Companion Animal Diagnostics Market Overview

The North America companion animal diagnostics market is divided into the US, Canada, and Mexico. The growth of the market in the region is due to rising government support for research and development activities in veterinary medicine, growing technological advancements that are resulting in various market consolidations, and rising adoption of pet animals across countries in North America. In addition, the presence of various market leaders in the companion animal diagnostics market is projected to influence the market growth positively during the forecast period.

In the US, specific veterinary diagnostics are regulated and dependent on the US Department of Agriculture-Center for Veterinary Biologics (USDA-CVB) for approval. These involve veterinary diagnostic kits intended to diagnose pathogens in animals undergoing treatment. USDA-CVB are point-of-care diagnostics for testing feline leukemia virus (FeLV), canine parvovirus, canine heartworm, and other viruses. The National Veterinary Services Laboratories provide diagnostics services for animals, and it offers a wide range of diagnostic services and information centered around the diagnosis of domestic and foreign animal diseases. The laboratory is also involved in the support of disease control and eradication programs. It produces reagents for diagnostic testing and offers training and laboratory certification. Similarly, there are presence other private laboratories affiliated to the American Association of Veterinary Laboratory Diagnosticians. For instance, the Wisconsin Veterinary Diagnostic Laboratory offers a broad range of diagnostic services to the production, companion, and exotic animal industries.

## North America Companion Animal Diagnostics Market Revenue and Forecast to 2030 (US\$ Million)

## North America Companion Animal Diagnostics Market Segmentation

The North America companion animal diagnostics market is segmented based on technique, product, application, companion animal type, end user, and country.

Based on technique, the North America companion animal diagnostics market is segmented into immunodiagnostics, clinical biochemistry, molecular diagnostics, urinalysis, hematology, and others. Immunodiagnostics segment is further categorized into lateral assays, ELISA tests, allergen-specific immunodiagnostics tests, and immunoassay analyzers. Clinical biochemistry segment is further categorized into clinical chemistry analysis, glucose monitoring, and blood gas electrolyte analysis. Also, biochemistry segment is categorized into PCR, microarray, and others.

By product, the North America companion animal diagnostics market is bifurcated into instruments and consumables. The instruments segment held a larger share in 2022.

In terms of application, the North America companion animal diagnostics market is segmented into bacteriology, clinical pathology, virology, parasitology, and others. The clinical pathology segment held the largest share in 2022.

Based on companion animal type, the North America companion animal diagnostics market is segmented into dogs, cats, horses, and others. The dogs segment held the largest share in 2022.

By end user, the North America companion animal diagnostics market is segmented into diagnostic laboratories, veterinary hospitals and clinics, research institutes, and others. The veterinary hospitals and clinics segment held the largest share in 2022.

Based on country, the North America companion animal diagnostics market is categorized into US, Canada, and Mexico. The US dominated the North America companion animal diagnostics market in 2022.

Heska Corp, i-SENS Inc, Immunology Consultants Laboratory Inc, Zoetis Inc, and Elabscience Biotechnology Inc are some of the leading companies operating in the North America companion animal diagnostics market.

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