

Global Veterinary Reference Laboratory Market to Hit US\$ 6.6 Bn by 2034, Driven by Rising Zoonotic Diseases, as per TNR

Innovations in Diagnostic Technologies & Stringent Regulations on Animal Health & Food Safety to Boost the Global Veterinary Reference Laboratory Market Demand

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/EINPresswire.com/ -- A veterinary reference laboratory is a specialized facility that provides comprehensive

diagnostic testing and services for animals, ranging from pets to livestock and wildlife. These laboratories are equipped with advanced technologies and highly skilled personnel capable of performing a wide array of diagnostic tests, including haematology, clinical chemistry, microbiology, pathology, and molecular diagnostics. Veterinary reference laboratories play a crucial role in supporting veterinarians and animal health professionals by delivering accurate and timely diagnostic results. They aid in the detection and monitoring of diseases, assessment of overall health status, and identification of potential risks to animal populations. Moreover, these laboratories contribute to public health efforts by monitoring zoonotic diseases and ensuring food safety through rigorous testing for contaminants and residues in animal products. Their expertise and capabilities are essential in advancing veterinary medicine, improving animal welfare, and supporting sustainable practices in agriculture and conservation efforts globally.



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The rising demand for veterinary reference laboratories is fueled by several key factors. Increasing pet ownership and the intensification of livestock farming necessitate advanced diagnostic services to ensure animal health and food safety. These laboratories offer critical capabilities such as pathogen identification, genetic testing, and disease surveillance, which are essential for effective disease management and early detection. Furthermore, stringent regulatory requirements and the growing awareness of zoonotic diseases that can transfer from animals to humans underscore the need for reliable diagnostic infrastructure. However, this demand faces significant restraints. The high cost of advanced diagnostic equipment and the

need for specialized training pose financial and operational challenges for veterinary reference laboratories. Additionally, the complexity of regulatory compliance across different regions can hinder the seamless operation and expansion of these laboratories. Despite these challenges, the essential role of veterinary reference laboratories in enhancing animal health and safeguarding public health continues to drive demand, pushing the industry to innovate and overcome these hurdles.

Veterinary reference laboratories face both opportunities and challenges in the dynamic landscape of animal health diagnostics. One significant opportunity lies in the increasing demand for specialized diagnostic services driven by growing pet ownership, expanding livestock industries, and heightened awareness of zoonotic diseases. These laboratories have the opportunity to innovate and expand their service offerings, leveraging advanced technologies such as molecular diagnostics and digital pathology to enhance disease detection and management. However, these opportunities are accompanied by several challenges. Veterinary reference laboratories often encounter financial constraints due to the high cost of equipment and maintaining specialized facilities. Moreover, navigating complex regulatory landscapes across different regions poses a significant challenge, requiring compliance with varying standards and regulations for animal health and food safety. Additionally, the need for continuous training and development of skilled personnel to operate advanced diagnostic technologies remains crucial. Despite these challenges, embracing technological advancements and strategic partnerships can enable veterinary reference laboratories to capitalize on opportunities and address evolving demands in animal health diagnostics effectively.

Global Veterinary Reference Laboratory Market: Key Takeaways

Molecular diagnostics of the veterinary reference laboratory market is expected to be the gain highest momentum in the years to come. The increasing demand for veterinary reference laboratories specializing in molecular diagnostics is driven by the need for highly accurate and rapid disease detection in animals. Molecular diagnostics, which include techniques such as PCR and next-generation sequencing, enable the precise identification of pathogens at the genetic level, facilitating early and accurate diagnosis of infectious diseases, genetic disorders, and cancers in pets and livestock. As pet ownership rises and livestock farming intensifies, the requirement for advanced diagnostic tools to manage health and prevent disease outbreaks becomes paramount. Additionally, the growing awareness of zoonotic diseases, which can transfer from animals to humans, emphasizes the need for cutting-edge diagnostic capabilities to safeguard public health. Regulatory pressures to ensure food safety and animal health further propel the demand for molecular diagnostics. Veterinary reference laboratories are thus expanding their molecular diagnostic services, providing veterinarians with essential tools to enhance disease management and improve overall animal health outcomes.

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Toxicology segment in the veterinary reference laboratory market is projected as the fastest

growing segment. The demand for veterinary reference laboratories specializing in toxicology is significantly driven by the increasing need for precise diagnostic services to manage and prevent toxic exposures in animals. With the rise in pet ownership, pets are more frequently exposed to household chemicals, medications, and environmental toxins, necessitating advanced toxicological testing. In livestock farming, the use of pesticides, herbicides, and veterinary drugs requires stringent monitoring to prevent toxic residues in animal products and ensure food safety. Additionally, regulatory agencies mandate rigorous testing for contaminants and toxicants in both companion and production animals, driving the need for specialized toxicology services. Veterinary reference laboratories equipped with state-of-the-art toxicology testing capabilities provide critical support in identifying toxic substances, assessing exposure levels, and guiding effective treatment plans, thereby enhancing animal health and safety. This growing need underscores the vital role of toxicology in veterinary diagnostics and the overall management of animal welfare.

Asia-Pacific region is anticipated to be the fastest-growing region in the veterinary reference laboratory market. This growth can be attributed to several factors, such as increasing awareness about animal health, rising pet ownership, and the expanding livestock sector in countries like China, India, and Australia. For example, in China, the growing middle-class population's demand for better veterinary healthcare services for their pets is driving the need for advanced diagnostic testing offered by veterinary reference laboratories. Similarly, in India, the livestock industry is witnessing growth, leading to a greater emphasis on disease prevention and control through reliable diagnostic services. Moreover, regulatory efforts aimed at enhancing animal health standards and food safety in the region are also boosting the demand for veterinary reference laboratory services. These factors collectively contribute to the rapid growth of the Veterinary Reference Laboratory market in the Asia-Pacific region.

Global Veterinary Reference Laboratory Market Key Players:

- GD Animal Health
- Greencross Ltd
- Gribbles Veterinary
- Heska Corporation
- IDEXX Laboratories, Inc.
- Neogen Corporation
- Phoenix Lab
- ProtaTek International, Inc.
- Randox Laboratories Ltd.
- VCA, Inc.
- Virbac S.A.
- Zoetis Inc.
- Other Industry Participants

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Global Veterinary Reference Laboratory Market

Global Veterinary Reference Laboratory Market Technology Outlook (Revenue, USD Million, 2016 - 2034)

- o Clinical Chemistry
- o Hematology
- o Immunodiagnostics
 - ELISA
 - Lateral Flow Rapid Tests
 - Others
- o Molecular Diagnostics
 - PCR
 - Microarrays
 - Others
- o Others

Global Veterinary Reference Laboratory Market Application Outlook (Revenue, USD Million, 2016 - 2034)

- Clinical Pathology
- Toxicology
- Productivity Testing
- Others

Global Veterinary Reference Laboratory Market Animal Type Outlook (Revenue, USD Million, 2016 - 2034)

- Production Animals
- Companion Animals

Global Veterinary Reference Laboratory Market Regional Outlook (Revenue, USD Million, 2016 - 2034)

- North America (U.S., Canada, Mexico, Rest of North America)
- Europe (France, The UK, Spain, Germany, Italy, Nordic Countries (Denmark, Finland, Iceland, Sweden, Norway), Benelux Union (Belgium, The Netherlands, Luxembourg), Rest of Europe)
- Asia Pacific (China, Japan, India, New Zealand, Australia, South Korea, Southeast Asia (Indonesia, Thailand, Malaysia, Singapore, Rest of Southeast Asia), Rest of Asia Pacific)
- Middle East & Africa (Saudi Arabia, UAE, Egypt, Kuwait, South Africa, Rest of Middle East & Africa)
- Latin America (Brazil, Argentina, Rest of Latin America)

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