

Advances in Veterinary Diagnostics Enhancing Animal Health and Disease Management

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Abstract

Veterinary diagnostics play a crucial role in the early detection, accurate diagnosis, and effective management of diseases in animals. Recent advancements in diagnostic technologies have revolutionized veterinary medicine, offering veterinarians and researchers powerful tools to improve animal health outcomes. This article reviews the latest developments in veterinary diagnostics, including molecular techniques, imaging modalities, and point-of-care devices. It discusses their applications in the diagnosis of infectious diseases, cancer, metabolic disorders, and or

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K : Veterinary Diagnostics; Molecular Diagnostics; Imaging Modalities; Point-Of-Care Testing; Infectious Diseases; Cancer; Artificial Intelligence; Machine Learning

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Veterinary diagnostics encompass a wide array of tools and techniques used to identify diseases and monitor the health status of animals [1]. These diagnostics are essential for timely intervention and effective disease management, contributing significantly to animal welfare, public health, and the agricultural economy. Over the years [2], advancements in veterinary diagnostics have expanded our capabilities to detect diseases more accurately and efficiently, thereby improving treatment outcomes and preventive measures [3-5].

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Recent developments in veterinary diagnostics have seen the emergence of molecular techniques such as PCR (Polymerase Chain Reaction) [6], next-generation sequencing (NGS), and real-time PCR.

References

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