

# **Middle East & Africa Bovine Diagnostics Market Forecast to 2030 – Regional Analysis – by Product [Immunoassay Kits, PCR Reagents & Kits, Hemagglutination Inhibition (HI) Assay, and Other Products], Disease Type [Bovine Viral Diarrhea (BVD), Bovine Tuberculosis (TB), Bovine Mastitis, Foot and Mouth Disease (FMD), and Other Disease Type], and End User (Veterinary Hospitals, Veterinary Clinics, and Other End-Users)**

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## **Abstracts**

The Middle East & Africa bovine diagnostics market is expected to grow from US\$ 46.03 million in 2022 to US\$ 67.91 million by 2030. It is estimated to grow at a CAGR of 5.0% from 2022 to 2030.

### **Integration of Data Analytics and Artificial Intelligence (AI) Fuels Middle East & Africa Bovine Diagnostics Market**

The integration of data analytics and AI in bovine diagnostics is revolutionizing the cattle industry. AI algorithms, coupled with extensive data analytics, enable sophisticated analysis of large datasets obtained from various sources in cattle farming. These technologies facilitate predictive modeling, disease trend analysis, and identification of health patterns, offering valuable insights into herd health.

Machine learning algorithms enable processing vast amounts of information, such as genetic data, historical health records, and environmental factors, to predict disease outbreaks, detect anomalies, and recommend optimal treatment strategies. Moreover,

AI-driven diagnostic tools continuously learn and refine their accuracy, enhancing their ability to predict and prevent diseases in cattle populations.

By harnessing the power of AI and data analytics, veterinarians and livestock managers gain a deeper understanding of cattle health trends, enabling proactive measures to maintain herd health, improve breeding programs, and optimize overall farm productivity while ensuring animal welfare.

## Middle East & Africa Bovine Diagnostics Market Overview

The Middle East & Africa bovine diagnostics market in Middle East & Africa is segmented into Saudi Arabia, South Africa, the UAE, and the Rest of Middle East & Africa. According to the World Organisation for Animal Health, the cattle population in Saudi Arabia was 368,428 in 2020. Cattle are infested by several species of hard ticks, which act as vectors for various pathogens of veterinary importance, which are endemic to the country. In addition to causing heavy economic losses for farmers, tick-borne diseases also pose a risk of disease transmission to humans. According to an article published in Dove Medical Press in July 2022, animal fascioliasis has been reported with a prevalence of 52.9% in cattle, which led to ~US\$ 0.2 million in annual losses for Saudi Arabia. According to an article published in Scientific Reports in April 2023, hepatic fascioliasis, a parasitic disease, causes morbidity and mortality in many domestic ruminants, especially sheep, goats, and cattle. A study was conducted to determine the prevalence of fascioliasis in 109,253 slaughtered sheep in Saudi Arabia, which were screened to assess the prevalence of fascioliasis. Local and imported sheep livers represented infection rates of 0.67% and 2.12%, respectively. Thus, the prevalence of diseases in bovine animals boosts the demand the diagnostics procedures in Saudi Arabia.

## Middle East & Africa Bovine Diagnostics Market Revenue and Forecast to 2030 (US\$ Million)

## Middle East & Africa Bovine Diagnostics Market Segmentation

The Middle East & Africa bovine diagnostics market is segmented into product, disease type, end user, and country.

Based on product, the Middle East & Africa bovine diagnostics market is segmented into immunoassay kits, PCR reagents & kits, hemagglutination inhibition (HI) assay, and other products. The immunoassay kits segment held the largest share of the Middle

East & Africa bovine diagnostics market in 2022.

Based on disease type, the Middle East & Africa bovine diagnostics market is segmented into bovine viral diarrhoea (BVD), bovine tuberculosis (TB), bovine mastitis, foot and mouth disease (FMD), and other disease types. The bovine mastitis segment held the largest share of the Middle East & Africa bovine diagnostics market in 2022.

Based on end user, the Middle East & Africa bovine diagnostics market is segmented into veterinary hospitals, veterinary clinics, and other end-users. The veterinary hospitals segment held the largest share of the Middle East & Africa bovine diagnostics market in 2022.

Based on country, the Middle East & Africa bovine diagnostics market is segmented into Saudi Arabia, South Africa, the UAE, and the Rest of Middle East & Africa. Saudi Arabia dominated the Middle East & Africa bovine diagnostics market in 2022.

bioMérieux SA, Idexx Laboratories Inc, Innovative Diagnostics SAS, and Thermo Fisher Scientific Inc are some of the leading companies operating in the Middle East & Africa bovine diagnostics market.

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