

Ultrasound Probe Disinfection Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

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Report description:

The ultrasound probe disinfection market is projected to register a CAGR of 14% during the forecast period (2022-2027).

During the COVID-19 pandemic, there is a rising demand for ultrasound probe disinfection, which is driving market growth. This is due to the increased demand for medical supplies such as personal protective equipment. Healthcare providers are deploying the potential of ultrasound diagnosis, primarily for point-of-care (POC) applications, for the triage, monitoring, and diagnosis of COVID-19 patients. As per an article published on BioMed Central Ltd in June 2020, lung ultrasound (LUS) has shown superior sensitivity compared to X-ray in patients with acute respiratory failure, and LUS may be a more feasible and practical alternative. Also, in Italy, LUS has been proposed as an alternative to CT scans for suspected cases of COVID-19. Thus, there is an increasing demand for the Ultrasound probe disinfection market to prevent the further spread of such hospital-acquired infections.

Factors such as a rise in the number of ultrasound procedures and an increase in the number of hospital-acquired infections due to improper disinfection of ultrasound probes are expected to rise the growth of the ultrasound probe disinfection market.

The increasing incidence of hospital-acquired infections is the major driver, which is anticipated to boost the growth of the market, according to the Centers for Disease Control (CDC). In 2020, In American Hospitals alone, hospital-acquired infections alone accounted for an estimated 1.7 million infections. However, the report states that patients who acquire infections from surgery spend, on average, an additional 6.5 days in the hospital and are five times more likely to be readmitted after discharge. Moreover as per the study published in May 2022, titled 'Burden of Five Healthcare-Associated Infections in Australia', 170,574 HAIs occur in adults admitted to public hospitals in Australia annually. Thus, the increasing prevalence of hospital-acquired infections among patients resulted in growing awareness about maintaining a sterile and disinfectant environment in hospitals. Therefore, there is an increasing demand for the ultrasound probe disinfection to reduce the risk of hospital-acquired infections.

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Moreover, as per the World Health Organization data updated in May 2020, countries like India and China, account for the highest number of preterm childbirths, with 20.0 million and 12.0 million births, respectively, in 2020. Preterm births have a significantly higher requirement for ultrasound procedures as compared to normal births due to the OB/GYN complications associated with these pregnancies. Also, the high number of births (pregnancies) and newer applications of ultrasound in obstetrics (such as detection of fetal cardiac pulsations and pulsations in various fetal blood vessels) are expected to offer significant growth opportunities for ultrasound probe disinfection product manufacturers across the globe.

Thus the increasing prevalence of hospital-acquired infection is expected to propel the market's growth in the forecast period. However, the high cost of automated probe reprocessors is expected to limit the market's growth.

Ultrasound Probe Disinfection Market Trends

The Hospitals and Diagnostic Laboratories Segment is Expected to Hold a Major Market Share in the Ultrasound Probe Disinfection Market

The sudden outbreak of COVID-19 had increased the demand for disinfection equipment to control and prevent the further spread of infections. The hospitals and diagnostic laboratories segment are expected to hold the major share in the forecast period due to increasing awareness to ensure the safety of workers and patients in the hospital. Considering these factors, COVID-19 is expected to significantly impact the growth of the hospitals and diagnostic laboratories segment.

Key factors such as a rise in the number of ultrasound procedures and an increase in hospital-acquired infections due to improper disinfection in hospitals and diagnostic laboratories and ultrasound probes are expected to increase the demand for ultrasound probe disinfection. According to World Health Organization, healthcare-associated infections represent hospitalized patients' most common adverse event worldwide. Also, According to the American Journal of Infection Control, Over 2.5 million hospital Acquired infections occur every year in Europe. Moreover, as per the study titled "Healthcare-Associated Infections A New Pathology in Medical Practice?" published in February 2020, about 50% of hospital-acquired infections occur in the intensive care unit. Such an increase in the risk of hospital-acquired infections resulted in the necessity for disinfection in hospitals to promote the highest safety for the patients and the medical without transmitting any sort of infection.

Therefore, the hospital and diagnostics laboratories segment is expected to hold the major share due to the rise increasing usage of ultrasound probe disinfection.

North America is Expected to Hold a Significant Share in the Market and Expected to do Same in the Forecast Period.

The increased adoption of highly advanced techniques and systems in disinfection for probes and the technological advancements in ultrasound probes are expected to boost the market's growth in the North American region. Also, the increasing prevalence of hospital-acquired infections among people in the United States is expected to drive the demand for the Ultrasound probe disinfection market in this region. For instance, In 2020, the data published by the Center for Infectious disease research and policy stated that the hospital-acquired infection rate increased by 47% in the United States. This rise in the prevalence of hospital-acquired infections led to the adoption of high-level disinfection systems for ultrasound probes. Moreover, as per Massachusetts Health & Hospital Association data published in may 2022, in American hospitals alone, HAIs account for an estimated 1.7 million infections.

According to the data published by the National Center for Biotechnology Information (NCBI), In March 2021, Biotechnology funding by the National Institute of Health (NIH) was around USD 7.77 Billion during the fiscal year 2020. Also, the data published by the Federation of American scientists reported that federal funding for research and development grew 5.9% in 2020 compared

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to 2019, which was USD 138.9 Billion. The Nation's 42 federally funded research and development centers spend around USD 23.5 Billion on research and development in the fiscal year 2020.

Thus, the increasing awareness about the importance of ultrasound probe disinfection coupled with increasing investment in the health care department is known to propel the market growth in this region.

Ultrasound Probe Disinfection Market Competitor Analysis

The Ultrasound probe disinfection market is fragmented and competitive and consists of several major players. In terms of market share, a few major players are currently dominating the market. Some companies currently dominating the market are CS Medical LLC, ASP, Metrex Research LLC, Medisound, Soluscope, Whitely, Borer Chemie AG, Laxness, CIVCO Medical Solutions, Nanosonics, Tristel PLC, Ecolab, and Germitec.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

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