

## **Medical Device Cleaning Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)**

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### **Report description:**

The Medical Device Cleaning Market is poised to grow at a CAGR of 6.1% during the forecast period, 2022-2027.

As the number of cases of coronavirus disease (COVID-19) rises, stethoscopes, ventilators, nebulizers, endoscopes, imaging machines, infusion equipment, pulse oximeters, and other medical devices are used more frequently around the world. One of the most important factors influencing demand for medical device cleaning solutions to reduce cross-contamination risks is this. World Health Organization in December 2021, provides the guideline for care, cleaning, and disinfection of respiratory equipment in the sterile services department and also suggests various methods for cleaning the medical devices. Moreover, according to the study titled "Nurses' cleaning practice of non-critical medical equipment in the era of COVID 19: A cross-sectional study in Debre-Tabor comprehensive specialized hospital" published in the Heliyon Journal in July 2021, After using stethoscopes, thermometers, pulse oximeters, and glucometers for patients, 1.3 percent to 5.3 percent of nurses cleaned them right away. A lack of disinfecting materials and infection prevention training were identified as major barriers to proper cleaning practices. The medical device cleaning market was positively impacted by the COVID-19 pandemic.

The significant factor attributing to this market's growth is the increasing number of surgical procedures worldwide. Growing implementation of prevention measures to curb hospital-acquired infections and the deployment of new techniques and materials for medical equipment cleaning and reprocessing is driving the market. For instance, as per the research study titled "Endoscopy's Current Carbon Footprint" published in the Techniques and Innovations in Gastrointestinal Endoscopy January 2021, over 18 million endoscopy procedures are performed in the United States alone each year. Thus, an increasing number of surgeries boost the need for cleaning of devices used during the surgery, which in turn, is anticipated to boost the market growth.

Additionally, rising in hospital-acquired infection cases is anticipated to boost the market. As per the study titled

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"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. Thus, to prevent infections from reprocessed multiple-use medical devices in hospitals: appropriate cleaning, disinfection, and sterilization methods have been adopted, which is expected to drive market growth. Additionally, product launches by the key market players are anticipated to drive the growth of the market. For instance, in August 2021, Advanced Sterilization Products reported the launch in Asia Pacific of the fastest biological indicator for hydrogen peroxide sterilization. This is a crucial step to verify load sterility for critical and semi-critical surgical instruments prior to releasing them to the operating room.

Furthermore, the emergence of serious diseases, in addition to the developmental interest in surgery, enhances the use of medical devices and thus the need to clean and reprocess them, which is further expected to upsurge the demand for medical device cleaning market during the forecast period. However, increasing demand for single-use/disposable medical devices restraint the market over the forecast period.

#### Medical Device Cleaning Market Trends

##### Surgical Instrument is Expected to Hold the Large Market Share in the Medical Device Cleaning Market

The rising prevalence and burden of HAIs and chronic diseases, as well as a growing geriatric population and an increasing number of surgeries, are driving the demand for effective cleaning and disinfection solutions for surgical instruments.

The Dominant share is retained by the surgical instruments segment owing to the growing number of surgical procedures such as cosmetic surgical procedures as well as the development of healthcare infrastructure is further expected to drive the market growth. According to the American Society of Plastic Surgeons, in 2020, 6.8 million reconstructive procedures were performed in the United States, with a 3% increase in the number of procedures over 2019.

Furthermore, according to the April 2021 data of the University of Alabama at Birmingham, coronary artery bypass graft (CABG) is a life-saving surgery performed on patients with a heart attack or any other severe diseases associated with the heart, and every year about 350,000 CABG surgeries are performed in the United States. Hence, with the rising number of surgical procedures, the surgical instrument segment will witness significant growth over the forecast period.

The product launches by the key market players are expected to boost the market. For instance, in June 2020, Novozymes launched a unique and advanced enzyme solution for cleaning surgical instruments and devices - Remify Everis 100 L. Thus the availability of an advanced technological product in the market creates a huge opportunity for the other players to bring the novel product into the market through a competitive edge, which is anticipated to bolster the segment growth.

Thus, all aforementioned factors are anticipated to boost the market over the forecast period.

##### North America Dominates the Market and Expected to do Same in the Forecast Period

North America is expected to dominate the overall Medical Device Cleaning market throughout the forecast period, owing to factors such as the rising prevalence of chronic disorders and rising hospital-acquired infection. According to the Center for Diseases Control and Prevention, in May 2021, approximately 75% of UTIs acquired in the hospital are linked to a urinary catheter. Urinary catheters are used by 15-25 percent of hospitalized patients during their stay. Additionally, 19,738 catheter-associated urinary tract infection cases were reported in the United States in 2020. Moreover, the rising patient pool and rising demand for medical devices are also fueling the market growth.

Furthermore, the number of surgeries has increased in the region over recent years. For instance, according to a report published

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by the American Society of Plastic Surgeons 2020, 15.6 million cosmetic procedures were recorded in 2020, which included around 2.3 million cosmetic surgical and 13.2 million cosmetic minimally invasive procedures. The rise in chronic diseases such as cardiovascular diseases, and others, require an extended hospital stay, hence, there is an increase in the number of cases of hospital-acquired infection in the country. According to January 2022 data by the American Health Association, there were approximately 33.5 million hospital admissions in 2020. Many of these procedures were due to chronic diseases and critical procedures, like heart bypass surgery.

Moreover, according to the United States Census Government, in May 2021, 54 million people, or 16.5 percent of the 328 million people in the United States, are over the age of 65. By 2030, that figure will have risen to 74 million people. Thus increasing geriatric population are more prone to various diseases, thereby increasing the number of surgeries anticipated to drive the market growth.

However, various strategies adopted by the key market players, such as product launch, mergers and acquisitions, and expansion, are expected to boost the market growth. For Instance, in March 2022, Sterifre Medical demonstrated its Aura device and courted investors as it prepared to launch the automatic point-of-care disinfection system. An Aura is a portable machine that circulates hydrogen peroxide and activated oxygen with the push of a single button to disinfect stethoscopes, sensors, pumps, etc.

Therefore, owing to all these factors, the region is expected to hold the largest market share in the global market during the forecast period.

#### Medical Device Cleaning Market Competitor Analysis

The Medical Device Cleaning market is moderately competitive and consists of a few major players. In terms of market share, a few of the major players are currently dominating the market. And some prominent players are vigorously making acquisitions and new product launches with other companies to consolidate their market positions across the globe. Some of the companies which are currently dominating the market are Steris PLC., 3M Company, GAMA Healthcare Ltd, Ecolab Inc., and Hartmann Group.

Additional Benefits:

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

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