

Cleanroom Technology in Healthcare Market to Reach \$6.37 Billion by 2029 – Exclusive Report by TBRC

*The Business Research Company's
Cleanroom Technology in Healthcare
Global Market Report 2025 – Market Size,
Trends, And Global Forecast 2025-2034*

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How Much Is The Cleanroom Technology In Healthcare Market Worth?

Recent years have seen robust growth in the [cleanroom technology sector within the healthcare market](#). The market size, which stands at \$4.30 billion in



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2024, is projected to increase to \$4.67 billion in 2025, indicating a compound annual growth rate (CAGR) of 8.4%. This significant growth during the historic period is linked to several factors. The increasing preference for location-based services, a surge in smart city projects, the growing need for real-time data, the rising incorporation of artificial intelligence in public infrastructures, and escalating demand for instantaneous data have all contributed to this market's expansion.

Expectations hint at a significant rise in the cleanroom technology market within the healthcare sector in the upcoming years. The prediction is that it will climb to a worth of \$6.37 billion by 2029, with the Compound Annual Growth Rate (CAGR) being 8.1%. The Growth during the forecast period could be credited to the increased demand for tailored retail experiences, the rising integration of connected vehicles, the adoption of intelligent building systems, the amplified utilization of geofencing for promotions, as well as an increased emphasis on predictive analytics. Trends to watch in the forecast period include advancements in AI-driven spatial computing, fresh breakthroughs in sensor fusion applied for context recognition,

advances in edge-artificial technology adopted for real-time location tracking, research and development in ambient user interfaces, and integration of technology with digital twins.

Download a free sample of the cleanroom technology in healthcare market report:

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What Are The Factors Driving The Cleanroom Technology In Healthcare Market?

Cleanroom technology in the healthcare market is expected to burgeon, propelled by the rising incidences of healthcare-acquired infections. These infections occur when patients contract diseases during their time in a medical facility. Increased patient volumes and the performance of invasive procedures have been identified as key factors leading to the rise in healthcare-acquired infections due to elevated exposure risks in medical settings. Cleanroom technology offers a solution by building sterile environments to manage airborne contaminants and pathogens. It further adheres to stringent air filtration pressure and hygiene norms to markedly lower the possibilities of infection during medical procedures and patient care. For example, the Center for Infective Disease Research and Policy (CIDRAP), an American disease research entity, revealed in May 2024 that approximately 4.3 million patients contracted a minimum of one healthcare-acquired infection annually in 2022 and 2023 in European Union and European Economic Area hospitals. Consequently, the ascent in healthcare-acquired infections is fuelling the uptake of cleanroom technology in the healthcare sector.

Who Are The Major Players In The Cleanroom Technology In Healthcare Market?

Major players in the Cleanroom Technology In Healthcare Global Market Report 2025 include:

- Illinois Tool Works Inc.
- Ecolab Inc.
- DuPont de Nemours Inc.
- Filtration Group Corporation
- TSI Incorporated
- Taikisha Ltd.
- Ardmac Ltd.
- Terra Universal Inc.
- Cactus Profiles Pvt. Ltd.
- Avant Garde Cleanroom & Engg Solutions Pvt. Ltd.

What Are The Upcoming Trends Of Cleanroom Technology In Healthcare Market In The Globe?

Prominent entities in the healthcare market's cleanroom technology segment are concentrating their efforts on creating cutting-edge products, like battery-operated automated cleaning systems, to decrease contamination threats and address shortfalls in the controlled healthcare setting workforce. These automated cleaning systems, powered by rechargeable batteries, clean surfaces without any manual intervention or steady power supply, thus boosting hygiene levels in cleanrooms and hospitals and cutting down the chances of healthcare-linked infections through uniform, effective sterilization. For example, in March 2025, i-team Global B.V., a professional cleaning firm based in the Netherlands, introduced the SAFE-T range, the first-ever

battery-operated cleanroom floor cleaning series globally. The SAFE-T product lineup features options such as the SAFE-T-IMOP, SAFE-T-VAC, and SAFE-T-BOT 45, each specifically tailored for ISO-certified cleanroom settings. These automated cleaning systems integrate ULPA 15 filtration, user-friendly design, and mechanical scrubbing to trap over 99.999% of pollutants as minute as 0.1 microns. The goal of this product is to lessen manual work, improve the uniformity in cleaning, reduce contamination threats, and ease staff shortages in crucial healthcare and other high-tech settings.

Which [Segment Accounted For The Largest Cleanroom Technology In Healthcare](#) Market Share?

The cleanroom technology in healthcare market covered in this report is segmented

- 1) By Component: Cleanroom Equipment, Cleanroom Consumables
- 2) By Application: Drug Manufacturing, Medical Device Manufacturing, Pathology And Research
- 3) By End User: Pharmaceutical Industry, Medical Device Industry, Biotechnology Industry, Hospitals And Diagnostic Centers

Subsegments:

- 1) By Cleanroom Equipment: Air Showers, Laminar Airflow Units, High Efficiency Particulate Air Filters, Heating Ventilation and Air Conditioning (HVAC) Systems, Pass Through Systems, Cleanroom Lighting, Cleanroom Furniture
- 2) By Cleanroom Consumables: Apparel, Gloves, Wipes, Disinfectants, Adhesive Mats, Swabs, Face Masks, Tacky Rollers

View the full cleanroom technology in healthcare market report:

<https://www.thebusinessresearchcompany.com/report/cleanroom-technology-in-healthcare-global-market-report>

What Are The Regional Trends In The Cleanroom Technology In Healthcare Market?

In the Cleanroom Technology In Healthcare Global Market Report 2025, North America emerged as the leading region in the year 2024. The region projected to experience the most rapid growth in the forecast period is Asia-Pacific. The report provides a comprehensive coverage of various regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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