

Anesthesia CO2 Absorbent Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global anesthesia CO2 absorbent market reached a value of US\$ 68.22 Million in 2021. Looking forward, IMARC Group expects the market to reach a value of US\$ 109.46 Million by 2027, exhibiting a CAGR of 7.80% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

Anesthesia CO2 absorbent is a specific segment within the anesthesia disposables, which is primarily used to absorb exhaled gases during anesthesia administration. Consisting of strong potassium hydroxide and sodium hydroxide bases that help obtain labile protons from anesthetic molecules to carbon monoxide (CO), these absorbent formulations are instrumental in minimizing anesthetic wastes. The CO2 absorber devices consisting of anesthesia absorbents are incorporated into the ventilatory apparatus of the anesthesia machine between the inspiratory and expiratory limbs of a circle circuit. They function by limiting the flow of fresh gas to closed-circuit conditions and allowing exhaled anesthetic agents to be rebreathed. However, the production of carbon monoxide (CO) can cause health hazards to patients. Certain CO2 absorbents do not contain potassium hydroxide, and sodium hydroxide and consequently do not produce carbon monoxide by reacting with inhaled agents.

Anesthesia CO2 Absorbent Market Trends:

The market is primarily driven by the rising incidences of chronic conditions, such as cardiac disorders, neurological conditions, respiratory diseases, and diabetes. Along with this, the growing geriatric population that is susceptible to developing medical conditions ultimately requiring surgical intervention is providing a significant boost to the

market. Besides this, with the rising number of surgeries conducted across numerous healthcare settings, there has been a considerable rise in the demand for anesthesia disposables, thereby contributing to the product adoption across the globe. Various stringent government guidelines and safety parameters regarding the usage of anesthetic drugs and equipment across the healthcare sector are further propelling the product demand. In addition to this, the increasing investments in the research and development (R&D) activities for developing advanced CO2 absorbing formulations and the expanding healthcare expenditure are also providing an impetus to the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global anesthesia CO2 absorbent market, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on product, type and end user.

Breakup by Product:

- Soda Lime
- Medisorb
- Dragersorb
- Amsorb
- Litholyme
- Others

Breakup by Type:

- Premium
- Traditional

Breakup by End User:

- Hospitals
- Clinics
- Others

Breakup by Region:

- North America

United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Armstrong Medical Ltd. (Eakin Healthcare Group Ltd), Atrasorb, Drägerwerk AG & Co. KGaA, General Electric Company, Intersurgical Ltd., Löwenstein Medical SE & Co. KG, Micropore Inc., Molecular Products Group plc (Filtration Group Corporation) and Smiths Medical Inc. (ICU Medical Inc.).

Key Questions Answered in This Report:

How has the global anesthesia CO2 absorbent market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global anesthesia CO2 absorbent market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the type?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global anesthesia CO2 absorbent market and who are the key players?

What is the degree of competition in the industry?

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