

US Medical Electrodes Market Size study, by Product Type (Surface Electrodes, Needle Electrodes) by Application (Cardiology, Neurophysiology, Electrosurgery, Intraoperative, Monitoring (IOM), Sleep Study) by Modality (Electrocardiography (ECG), Electroencephalography (EEG), Electromyography (EMG), Brainstem auditory evoked potentials (BAEPs), Others) Forecasts 2022-2032

<https://marketpublishers.com/r/U7FC757D04AAEN.html>

Date: July 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: U7FC757D04AAEN

Abstracts

US Medical Electrodes Market is valued approximately USD 483 million in 2023 and is anticipated to grow with a healthy growth rate of more than 2.04% over the forecast period 2024-2032. Medical electrodes are devices that transfer electrical signals from the body to diagnostic or therapeutic equipment. They are crucial in monitoring and diagnosing various physiological conditions. Commonly made from conductive materials like silver or gold, they interface with the skin using a conductive gel to ensure effective signal transmission. Applications include electrocardiograms (ECG) for heart monitoring, electroencephalograms (EEG) for brain activity analysis, and electromyograms (EMG) for assessing muscle function. They are also used in therapeutic treatments, such as transcutaneous electrical nerve stimulation (TENS) for pain management and defibrillation. Medical electrodes are essential in both clinical settings and wearable health technology, contributing significantly to patient care and medical research.

Moreover, the growing incidence of chronic diseases, including heart disease, cancer, and diabetes, increases the demand for diagnostic and monitoring equipment, thereby boosting the medical electrodes market. Also, the rising number of electrophysiology

procedures, such as electrocardiograms (ECGs) and electroencephalograms (EEGs), which require electrodes for accurate diagnosis and monitoring, fuels market demand. Additionally, continuous innovations in medical electrode technology, such as the development of dry electrodes and improved biocompatibility, enhance patient comfort and diagnostic accuracy, driving market growth. However, stringent regulatory requirements are expected to hinder the market growth during the forecast period 2024-2032.

Major market player included in this report are:

RhythmLink International, LLC

Cognionics, Inc.

GE Healthcare

Company 4

Company 5

Company 6

Company 7

Company 8

Company 9

Company 10

The detailed segments and sub-segment of the market are explained below:

By Product Type

Surface Electrodes

Needle Electrodes

By Application

Cardiology

Neurophysiology

Electrosurgery

Intraoperative Monitoring (IOM)

Sleep Study

By Modality

Electrocardiography (ECG)

Electroencephalography (EEG)

Electromyography (EMG)

Brainstem auditory evoked potentials (BAEPs)

Others

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and Country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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