Human rotavirus vaccine market information: by type (Rotarix, RotaTeq, Rotavac, Rotavin-M1, Lanzhou lamb, others) by end users (hospitals & clinics, academic and research, others) - Global forecast till 2023

Market Synopsis of Global Human rotavirus vaccine Market

Market scenario
Rotavirus vaccine is used to protect against rotavirus infections which cause severe diarrhoea among young children. Symptoms of rotavirus infection include severe diarrhoea, vomiting, fever, and abdominal pain which can result in disease. Rotavirus vaccine is administered by mouth and requires two or three doses starting around six weeks of age. The vaccine first became available in the United States in 2006.

Rotavirus is a double-stranded RNA virus of the family Reoviridae and is transmitted through the faecal-oral route. It infects the cell lining of the small intestine and causes gastroenteritis. According to National Center for Biotechnology Information, rotavirus related diarrhoea was responsible for killing about 600,000 children in 2015, with more than 80% of all rotavirus-related deaths occurring in South Asia and sub-Saharan Africa. Rotavirus-related deaths represent approximately 5% of all deaths in children younger than 5 years of age worldwide. Almost every child in the world is infected with rotavirus at least once by the age of five. The World Health Organization (WHO) recommends that rotavirus vaccine be included in national routine vaccinations programs. The vaccines is responsible to prevent 15 to 34% of severe diarrhoea in the developing world and 37 to 96% of severe diarrhoea in the developed world. According to World Health Organization (WHO) in Mexico a decline of up to 50% in diarrhoeal deaths in children less than 5 years of age was attributed directly to the use of the vaccine.

The market drivers for rotavirus vaccine market are its safety profile including use in HIV/AIDS patients, growing number of immunity-compromised individuals, increasing geriatric population, growing population and live births etc. The market restraints are risks such as immune reaction, babies who have had intussusception, low healthcare expenditure in developing regions, cleanliness initiatives by NGOs and health awareness creation to eradicate the prevalence of this virus etc.

The global human rotavirus vaccine market is expected to reach US$ 12.3 billion by 2023, and the market is projected to grow at a CAGR of ~ 11.2 % during the forecast period 2017-2023.

Research Methodology:
Intended Audience

- Global Human rotavirus vaccine treatment manufacturers & suppliers
- Research and development (R&D) companies
- Hospitals and clinics
- Academic institutes and universities

Figure 1

Global Human rotavirus vaccine Market by End Users, 2016 (% market share)

Segments:
The global Human rotavirus vaccine market has been segmented on the basis of type and end users.

Based on type, the market has been segmented as Rotarix, RotaTeq, Rotavac, Rotavin-M1, Lanzhou lamb and others.

Based on the end users, the market has been segmented as hospitals & clinics, academic and research and others.

Regional analysis:
The Americas account for a significant market share owing to extensive use of medications and high
expenditure on the health care. Additionally, the fastest uptake of new technology in the US drives the global human rotavirus vaccine market. Also, concentration of major research companies and vaccine research sector in the developed countries of this region is adding fuel to the market growth. Europe is the second largest market in the world due to high income and healthcare penetration. Asia Pacific region is expected to grow rapidly and China and India are likely to lead this market due to fast growing healthcare sector during the forecast period. Gulf nations such as Saudi Arabia and the UAE are estimated to drive the Middle East & African market. The African region is expected to witness a moderate growth owing to poor economic and political conditions and poor healthcare development.

Key Players in the Global Human rotavirus vaccine Market
Some of key players profiled in the report are Bharat Biotech, Merck & Co., Inc., GlaxoSmithKline plc., Multinational pharmaceutical drug company and others.

The report for Global Human rotavirus vaccine market by Market Research Future comprises of extensive primary research along with the detailed analysis of qualitative as well as quantitative aspects by various industry experts, key opinion leaders to gain a deeper insight of the market and industry performance. The report gives a clear picture of the current market scenario which includes past and estimated future market size with respect to value and volume, technological advancement, macro economical and governing factors in the market. The report provides detail information about and strategies used by top key players in the industry. The report also gives a broad study of the different market segments and regions.

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