

# Human DNA Vaccines Market, Global Outlook and Forecast 2022-2028

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# **Abstracts**

DNA vaccines have evolved greatly over the last 20 years since their invention, but have yet to become a competitive alternative to conventional protein or carbohydrate based human vaccines. Whilst safety concerns were an initial barrier, the Achilles heel of DNA vaccines remains their poor immunogenicity when compared to protein vaccines. A wide variety of strategies have been developed to optimize DNA vaccine immunogenicity, including codon optimization, genetic adjuvants, electroporation and sophisticated prime-boost regimens, with each of these methods having its advantages and limitations. Whilst each of these methods has contributed to incremental improvements in DNA vaccine efficacy, more is still needed if human DNA vaccines are to succeed commercially.

This report contains market size and forecasts of Human DNA Vaccines in Global, including the following market information:

Global Human DNA Vaccines Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global top five companies in 2021 (%)

The global Human DNA Vaccines market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Recombinant Protein Vaccine Segment to Reach \$ Million by 2028, with a % CAGR in next six years.



The global key manufacturers of Human DNA Vaccines include Merck, GSK, Sanofi, Zoties, Elanco, Boehringer-Ingelheim, Indian Immunologicals and Plumbline Life Sciences, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Human DNA Vaccines companies, and industry experts on this industry, involving the revenue, demand, product type, recent developments and plans, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Human DNA Vaccines Market, by Type, 2017-2022, 2023-2028 (\$ millions)

Global Human DNA Vaccines Market Segment Percentages, by Type, 2021 (%)

Recombinant Protein Vaccine

Gene-Based Vaccine

Global Human DNA Vaccines Market, by Application, 2017-2022, 2023-2028 (\$ millions)

Global Human DNA Vaccines Market Segment Percentages, by Application, 2021 (%)

Influenza

Human Papillomavirus

HIV

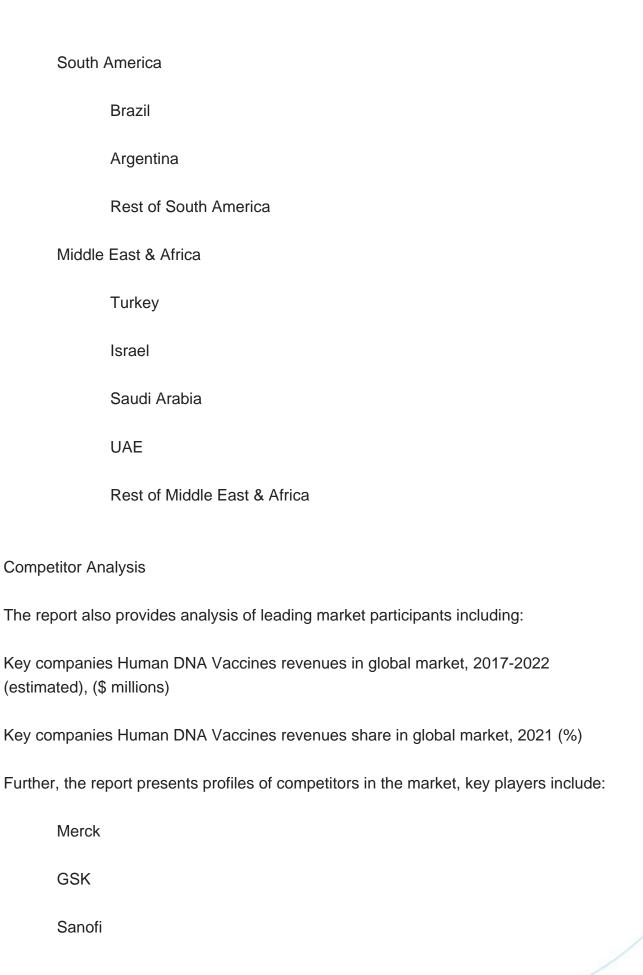
Global Human DNA Vaccines Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions)

Global Human DNA Vaccines Market Segment Percentages, By Region and Country, 2021 (%)



North America				
	US			
	Canada			
	Mexico			
Europe				
	Germany			
	France			
	U.K.			
	Italy			
	Russia			
	Nordic Countries			
	Benelux			
	Rest of Europe			
Asia				
	China			
	Japan			
	South Korea			
	Southeast Asia			
	India			
	Rest of Asia			







Zoties		
Elanco		
Boehringer-Ingelheim		
Indian Immunologicals		
Plumbline Life Sciences		



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