

# Human Chorionic Gonadotropin (HCG) Market by Technology (Natural Source Extraction, Recombinant Technology), Therapeutic Area (Female Infertility Treatment, Male Hypogonadism, Oligospermic Treatment, and Others), End User (Fertility Clinics, Research Institutions, and Others), and Region 2023-2028

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## Abstracts

### Market Overview:

The global human chorionic gonadotropin (HCG) market size reached US\$ 903.78 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 1,411.06 Million by 2028, exhibiting a growth rate (CAGR) of 7.62% during 2023-2028. The rising incidences of infertility in women, increasing prevalence of hypogonadism-related disorders, and production of HCG using recombinant technology represent some of the key factors driving the market.

Human chorionic gonadotropin (HCG) is a chemical produced by syncytiotrophoblastic cells of the placenta during pregnancy. It is found in blood, urine, liver, colon, and pituitary glands. HCG stimulates the corpus luteum to produce progesterone to maintain the pregnancy. It is extracted and purified from the urine of pregnant women for clinical applications using various techniques, such as ion exchange chromatography, dye-affinity chromatography, nanofiltration, and reverse-phase high-performance liquid chromatography (HPLC). HCG is widely used to treat infertility, increase the chances of pregnancy, help in the production of testosterone and sperm, and treat cryptorchidism in male children. It also aids in diagnosing and monitoring pregnancy-related disorders, prenatal screening, and gynecological cancers.

## Human Chorionic Gonadotropin (HCG) Market Trends:

The rising incidences of infertility among females due to uterine disorders, blocked fallopian tube, polycystic ovarian syndrome (PCOS), and endocrine system disorders are among the key factors driving the market growth. HCG is widely used in various assisted reproductive technologies, such as in-vitro fertilization (IVF) and intrauterine insemination (IUI), to treat female infertility, as it aids in inducing ovulation, promotes the formation of the embryo, facilitates correct timing of oocyte retrieval, increases endometrial thickness, and improve endometrial receptivity. In addition to this, the widespread product utilization in combination with other fertility drugs to increase the chances of pregnancy in women is acting as another growth-inducing factor. Furthermore, the increasing application of HCG to improve testosterone levels, enhance fertility, and promote sexual function due to the increasing prevalence of hypogonadism-related disorders in males suffering from obesity and type 2 diabetes is favoring the market growth. Additionally, the production of HCG using recombinant technology that provides identical properties, enhanced efficacy, and improved safety compared to naturally sourced HCG and enhances patient tolerance is positively influencing the market growth. Other factors, including the rapid development of healthcare infrastructure, increasing availability of treatment and services regarding infertility, rising geriatric population, extensive research and development (R&D) activities for the launch of novel purification and extraction technologies, and the implementation of various government initiatives to improve the sexual health of people, are anticipated to drive the market growth further.

## Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global human chorionic gonadotropin (HCG) market, along with forecasts at the global, regional, and country level from 2023-2028. Our report has categorized the market based on technology, therapeutic area, and end user.

## Technology Insights:

Natural Source Extraction  
Recombinant Technology

The report has also provided a detailed breakup and analysis of the human chorionic

gonadotropin (HCG) market based on the technology. This includes natural source extraction and recombinant technology. According to the report, natural source extraction represented the largest segment.

#### Therapeutic Area Insights:

- Female Infertility Treatment
- Male Hypogonadism
- Oligospermic Treatment
- Others

A detailed breakup and analysis of the human chorionic gonadotropin (HCG) market based on the therapeutic area has been provided in the report. This includes female infertility treatment, male hypogonadism, oligospermic treatment, and others. According to the report, female infertility treatment accounted for the largest market share.

#### End User Insights:

- Fertility Clinics
- Research Institutions
- Others

A detailed breakup and analysis of the human chorionic gonadotropin (HCG) market based on the end user has been provided in the report. This includes fertility clinics, research institutions, and others. According to the report, fertility clinics accounted for the largest market share.

#### Regional Insights:

- North America

  - United States
  - Canada

- Europe

  - Germany

France  
United Kingdom  
Italy  
Spain  
Russia  
Others

#### Asia Pacific

China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others

#### Latin America

Brazil  
Mexico  
Others

#### Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets that include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and Middle East and Africa. According to the report, North America was the largest market for human chorionic gonadotropin (HCG). Some of the factors driving the North America human chorionic gonadotropin (HCG) market include rising incidences of infertility among women, growing consumer awareness regarding the available treatment for infertility and gynecological concerns, and rising expenditure capacities of consumers.

#### Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global human chorionic gonadotropin (HCG) market. Detailed profiles of all major companies have also been provided. Some of the companies covered include Biocare Medical LLC, Ferring Pharmaceuticals, Fresenius SE & Co. KGaA, Kamiya Biomedical Company (Nitto Boseki Co. Ltd.), Lee Biosolutions Inc. (Oy Medix Biochemica Ab), Merck & Co. Inc., Prospec-Tany Technogene Ltd., Scripps Laboratories Inc., Sun Pharmaceutical Industries Limited, etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

#### Key Questions Answered in This Report:

How has the global human chorionic gonadotropin (HCG) market performed so far and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global human chorionic gonadotropin (HCG) market?

What are the key regional markets?

Which countries represent the most attractive human chorionic gonadotropin (HCG) markets?

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

What is the breakup of the market based on the therapeutic area?

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

What is the competitive structure of the global human chorionic gonadotropin (HCG) market?

Who are the key players/companies in the global human chorionic gonadotropin (HCG) market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL HUMAN CHORIONIC GONADOTROPIN (HCG) MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY TECHNOLOGY**

- 6.1 Natural Source Extraction
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Recombinant Technology
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast

## **7 MARKET BREAKUP BY THERAPEUTIC AREA**

### 7.1 Female Infertility Treatment

#### 7.1.1 Market Trends

#### 7.1.2 Market Forecast

### 7.2 Male Hypogonadism

#### 7.2.1 Market Trends

#### 7.2.2 Market Forecast

### 7.3 Oligospermic Treatment

#### 7.3.1 Market Trends

#### 7.3.2 Market Forecast

### 7.4 Others

#### 7.4.1 Market Trends

#### 7.4.2 Market Forecast

## **8 MARKET BREAKUP BY END USER**

### 8.1 Fertility Clinics

#### 8.1.1 Market Trends

#### 8.1.2 Market Forecast

### 8.2 Research Institutions

#### 8.2.1 Market Trends

#### 8.2.2 Market Forecast

### 8.3 Others

#### 8.3.1 Market Trends

#### 8.3.2 Market Forecast

## **9 MARKET BREAKUP BY REGION**

### 9.1 North America

#### 9.1.1 United States

##### 9.1.1.1 Market Trends

##### 9.1.1.2 Market Forecast

#### 9.1.2 Canada

##### 9.1.2.1 Market Trends

##### 9.1.2.2 Market Forecast

### 9.2 Asia-Pacific

#### 9.2.1 China

##### 9.2.1.1 Market Trends

- 9.2.1.2 Market Forecast
- 9.2.2 Japan
  - 9.2.2.1 Market Trends
  - 9.2.2.2 Market Forecast
- 9.2.3 India
  - 9.2.3.1 Market Trends
  - 9.2.3.2 Market Forecast
- 9.2.4 South Korea
  - 9.2.4.1 Market Trends
  - 9.2.4.2 Market Forecast
- 9.2.5 Australia
  - 9.2.5.1 Market Trends
  - 9.2.5.2 Market Forecast
- 9.2.6 Indonesia
  - 9.2.6.1 Market Trends
  - 9.2.6.2 Market Forecast
- 9.2.7 Others
  - 9.2.7.1 Market Trends
  - 9.2.7.2 Market Forecast
- 9.3 Europe
  - 9.3.1 Germany
    - 9.3.1.1 Market Trends
    - 9.3.1.2 Market Forecast
  - 9.3.2 France
    - 9.3.2.1 Market Trends
    - 9.3.2.2 Market Forecast
  - 9.3.3 United Kingdom
    - 9.3.3.1 Market Trends
    - 9.3.3.2 Market Forecast
  - 9.3.4 Italy
    - 9.3.4.1 Market Trends
    - 9.3.4.2 Market Forecast
  - 9.3.5 Spain
    - 9.3.5.1 Market Trends
    - 9.3.5.2 Market Forecast
  - 9.3.6 Russia
    - 9.3.6.1 Market Trends
    - 9.3.6.2 Market Forecast
  - 9.3.7 Others



9.3.7.1 Market Trends

9.3.7.2 Market Forecast

9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

## **10 DRIVERS, RESTRAINTS, AND OPPORTUNITIES**

10.1 Overview

10.2 Drivers

10.3 Restraints

10.4 Opportunities

## **11 VALUE CHAIN ANALYSIS**

## **12 PORTERS FIVE FORCES ANALYSIS**

12.1 Overview

12.2 Bargaining Power of Buyers

12.3 Bargaining Power of Suppliers

12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

## **13 PRICE ANALYSIS**

## **14 COMPETITIVE LANDSCAPE**

## 14.1 Market Structure

## 14.2 Key Players

## 14.3 Profiles of Key Players

### 14.3.1 Biocare Medical LLC

#### 14.3.1.1 Company Overview

#### 14.3.1.2 Product Portfolio

### 14.3.2 Ferring Pharmaceuticals

#### 14.3.2.1 Company Overview

#### 14.3.2.2 Product Portfolio

### 14.3.3 Fresenius SE & Co. KGaA

#### 14.3.3.1 Company Overview

#### 14.3.3.2 Product Portfolio

#### 14.3.3.3 Financials

#### 14.3.3.4 SWOT Analysis

### 14.3.4 Kamiya Biomedical Company (Nitto Boseki Co. Ltd.)

#### 14.3.4.1 Company Overview

#### 14.3.4.2 Product Portfolio

### 14.3.5 Lee Biosolutions Inc. (Oy Medix Biochemica Ab)

#### 14.3.5.1 Company Overview

#### 14.3.5.2 Product Portfolio

### 14.3.6 Merck & Co. Inc.

#### 14.3.6.1 Company Overview

#### 14.3.6.2 Product Portfolio

#### 14.3.6.3 Financials

#### 14.3.6.4 SWOT Analysis

### 14.3.7 Prospec-Tany Technogene Ltd.

#### 14.3.7.1 Company Overview

#### 14.3.7.2 Product Portfolio

### 14.3.8 Scripps Laboratories Inc.

#### 14.3.8.1 Company Overview

#### 14.3.8.2 Product Portfolio

### 14.3.9 Sun Pharmaceutical Industries Limited

#### 14.3.9.1 Company Overview

#### 14.3.9.2 Product Portfolio

#### 14.3.9.3 Financials

#### 14.3.9.4 SWOT Analysis

Kindly note that this only represents a partial list of

companies, and the complete list has been provided in the report.

## List Of Tables

### LIST OF TABLES

Table 1: Global: Human Chorionic Gonadotropin Market: Key Industry Highlights, 2022 & 2028

Table 2: Global: Human Chorionic Gonadotropin Market Forecast: Breakup by Technology (in Million US\$), 2023-2028

Table 3: Global: Human Chorionic Gonadotropin Market Forecast: Breakup by Therapeutic Area (in Million US\$), 2023-2028

Table 4: Global: Human Chorionic Gonadotropin Market Forecast: Breakup by End User (in Million US\$), 2023-2028

Table 5: Global: Human Chorionic Gonadotropin Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Human Chorionic Gonadotropin Market: Competitive Structure

Table 7: Global: Human Chorionic Gonadotropin Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Human Chorionic Gonadotropin Market: Major Drivers and Challenges

Figure 2: Global: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017-2022

Figure 3: Global: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 4: Global: Human Chorionic Gonadotropin Market: Breakup by Technology (in %), 2022

Figure 5: Global: Human Chorionic Gonadotropin Market: Breakup by Therapeutic Area (in %), 2022

Figure 6: Global: Human Chorionic Gonadotropin Market: Breakup by End User (in %), 2022

Figure 7: Global: Human Chorionic Gonadotropin Market: Breakup by Region (in %), 2022

Figure 8: Global: Human Chorionic Gonadotropin (Natural Source Extraction) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Human Chorionic Gonadotropin (Natural Source Extraction) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Human Chorionic Gonadotropin (Recombinant Technology) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Human Chorionic Gonadotropin (Recombinant Technology) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Human Chorionic Gonadotropin (Female Infertility Treatment) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Human Chorionic Gonadotropin (Female Infertility Treatment) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Human Chorionic Gonadotropin (Male Hypogonadism) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Human Chorionic Gonadotropin (Male Hypogonadism) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Human Chorionic Gonadotropin (Oligospermic Treatment) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Human Chorionic Gonadotropin (Oligospermic Treatment) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Human Chorionic Gonadotropin (Other Therapeutic Areas) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Human Chorionic Gonadotropin (Other Therapeutic Areas) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Human Chorionic Gonadotropin (Fertility Clinics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Human Chorionic Gonadotropin (Fertility Clinics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: Global: Human Chorionic Gonadotropin (Research Institutions) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Human Chorionic Gonadotropin (Research Institutions) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Human Chorionic Gonadotropin (Other End Users) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Human Chorionic Gonadotropin (Other End Users) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: North America: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: North America: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: United States: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: United States: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Canada: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Canada: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Asia-Pacific: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Asia-Pacific: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: China: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: China: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Japan: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Japan: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: India: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$),

2017 & 2022

Figure 39: India: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: South Korea: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: South Korea: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: Australia: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: Australia: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: Indonesia: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: Indonesia: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Others: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Others: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Europe: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Europe: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Germany: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Germany: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: France: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: France: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: United Kingdom: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: United Kingdom: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Italy: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Italy: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: Spain: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Spain: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Russia: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Russia: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Others: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Others: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Latin America: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Latin America: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Brazil: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Brazil: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Mexico: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Mexico: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Others: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Others: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Middle East and Africa: Human Chorionic Gonadotropin Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Middle East and Africa: Human Chorionic Gonadotropin Market: Breakup by Country (in %), 2022

Figure 74: Middle East and Africa: Human Chorionic Gonadotropin Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: Global: Human Chorionic Gonadotropin Industry: Drivers, Restraints, and Opportunities

Figure 76: Global: Human Chorionic Gonadotropin Industry: Value Chain Analysis

Figure 77: Global: Human Chorionic Gonadotropin Industry: Porter's Five Forces Analysis

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