

Cell Counting Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global cell counting market size reached US\$ 10.4 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 15.5 Billion by 2028, exhibiting a growth rate (CAGR) of 6.9% during 2022-2028.

Cell counting refers to a technique used for the analysis of the cells or micelles that are usually suspended in blood or other body fluids. Some of the common instruments used for cell counting includes hemocytometers, spectrophotometers, flow cytometers, automated cell counters, etc. Cell counting aids in classifying cell types and detecting disease through probes to develop the best treatment plan for the patient. It also helps in understanding the structure and composition of the cells for chromosome analysis, protein expression, cancer diagnosis, hematological malignancies, etc. As a result, cell counting is extensively used across hospitals, diagnostic laboratories, research and academic institutes, pharmaceutical and biotechnology companies, etc.

The rising prevalence of various chronic ailments, such as cancer, HIV-AIDS, leukemia, Alzheimer's, etc., is propelling the demand for cell counting techniques. Moreover, the growing adoption of cell counting instruments across diverse medical fields, such as molecular biology, immunology, pathology, etc., for developing next-generation therapeutics is also augmenting the market growth. In addition to this, the increasing utilization of cell counting for the identification and determination of primary tumor, circulating tumor, and metastatic tumor is further bolstering the market growth.

Additionally, the widespread adoption of stem cell therapy is also propelling the demand for various cell counting instruments on a global level. In line with this, the rising awareness towards numerous benefits of cell counting technique in immunophenotyping, cell sorting, cell proliferation assays and intracellular calcium flux is further driving the market growth. Moreover, the increasing investments by several government bodies in extensive R&D activities pertaining to the fields of biotechnology, oncology stem cell therapeutics, etc., are also bolstering the adoption of cell counting

techniques. In the coming years, the introduction of automated product variants with enhanced ability to process larger sample sizes at a higher speed will continue to drive the global market for cell counting.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global cell counting market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product type and end user.

Breakup by Product Type:

Consumables

Reagents

Assay Kits

Microplates

Accessories

Instruments

Spectrophotometers

Flow Cytometers

Hematology Analyzers

Cell Counters

Breakup by End User:

Hospitals and Diagnostic Laboratories

Research and Academic Institutes

Pharmaceutical and Biotechnology Companies

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 with some of the key players being Agilent Technologies Inc., Becton, Dickinson and Company, Bio-Rad Laboratories Inc., Danaher Corporation, F. Hoffmann-La Roche Ltd. (Roche Holding AG), Merck & Co. Inc., PerkinElmer Inc. and Thermo Fisher Scientific Inc.

Key Questions Answered in This Report:

How has the global cell counting market performed so far and how will it perform in the coming years?

What are the key regional markets?

What is the impact of COVID-19 on the global cell counting market?

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

What is the structure of the global cell counting market and who are the key players?

What is the degree of competition in the market?

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