



**Global and China Stem Cell Industry Report,
2015-2018**

Nov. 2015

STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

REPORT OBJECTIVES

- ◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- ◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- ◆ To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- ◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- ◆ To help company to succeed in a competitive market, and

METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

INFORMATION SOURCES

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

Abstract

Stem cells are undifferentiated biological cells that can differentiate into specialized cells and can divide (through mitosis) to produce more stem cells. Currently, stem cells are used to treat hundreds of diseases in clinical studies, of which about 50% is applied to blood diseases. In addition to blood diseases, tumors, neurological system diseases, heart disease, immune system diseases and the like are also important fields of stem cell clinical research.

Up to now, only 12 sorts of stem cell products have been approved for marketing after rigorous safety and effectiveness review worldwide. Nevertheless, attracted by the tremendous market potential in the area of stem cell therapy and enjoying the great encouragement from government policies (e.g. allowance funds) and the capital support of key partners, very few companies have dropped out.

Considerable stem cell therapy products are in clinical trials worldwide. For example, the United States National Institutes of Health (NIH) had registered 4,293 cord blood-related clinical research projects as of December 23, 2014 and 5,190 ones as of November 17, 2015, including 484 ones in East Asia.

Restricted by policies, capital, technology and other factors, China's stem cell therapy develops slowly. At present, China has not approved any stem cell drug product for marketing.

As for stem cell research, Chinese authorities have not accepted or reviewed any stem cell therapy of any medical institution except hematopoietic stem cells suitable for treating blood diseases; besides, the stem cell clinical applications of some hospitals pertain to the scope of pilot clinical studies.

In February 2015, Ministry of Science and Technology of the People's Republic of China published the Stem Cell and Translational Medicine Implementation Plan of National Key R&D Program (Draft). In August 2015, CFDA (China Food and Drug Administration) issued Management on Clinical Stem Cell Experimental Study (Trial). With the relaxation of policies, the stem cell industry has attracted Chinese investors once again.

On December 4, 2014, Xi'an International Medical Investment (formerly known as Kaiyuan Investment) announced to invest RMB270 million in acquiring 34% stake in H & B's registered capital in order to accelerate the development of health care services and foster new profit engines.

On April 17, 2015, Yinhe Investment proclaimed that it would associate with its controlling shareholder Yinhe Group to jointly lavish RMB2 billion in the establishment of Biomedical M&A Fund whose total size hits RMB6 billion.

The fund is mainly used for immunotherapy, stem cell clinical application platforms, macromolecular drugs, antibody drug development and other fields.

On October 27, 2015, Ningxia Xinri Hengli Steel Wire Rope Co., Ltd. released a restructuring plan to take over 80% stake in BoyaLife from Xu Xiaochun, , Maoxing Investment Management (Hangzhou), Yang Lijuan , Wang Jianrong, etc. with RMB1.5656 billion.

Global and China Stem Cell Industry Report, 2015-2018 highlights the followings:

- Classification, application, industry chain definition, etc. of stem cells;
- Major enterprises, policies, upstream/midstream/downstream development and prospects, etc. of global stem cell industry;
- Policies, upstream/midstream/downstream development, etc. of China stem cell industry;
- Operation, stem cell business, etc. of 8 upstream companies and 20 midstream/downstream companies worldwide.

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