

Application of Biopharmaceutical Technology in Pharmaceutical Techniques

Wei Luo

Tianjin Agricultural University, Tianjin, 300384, China

Abstract: The emergence of biopharmaceutical technology promoted the progress and improvement of pharmaceutical techniques, and also promoted its industry development. As a new industry, biopharmaceutical technology has been widely promoted and gradually applied in medicine, health and other industries, becoming the lifeline of modern science and technology development. In this regard, this paper gives a brief analysis on the application of biopharmaceutical technology in pharmaceutical techniques combined with practical research.

Keywords: Biopharmaceutical technology; Pharmaceutical techniques; Application analysis

1. Introduction

With the progress and development of science and technology, biopharmaceutical technology derived a series of scientific research. At the end of the 20th century, biopharmaceutical technology appeared in people's minds, which followed by modern society and applied in people's lives. However, how to apply it in pharmaceutical techniques becomes an important issue of biopharmaceutical technology research.

2. Analysis on the Status Quo of Biopharmaceutical Technology

2.1. Development status of biopharmaceutical technology

Compared with the developed countries, there is a blank for China's biopharmaceutical technology in a period of time, and it developed late. However, the development of biopharmaceutical technology is fast. Although at this stage it developed a variety of biopharmaceutical products, and has been recognized by market sales. However, in its industry research it is lack of support and technological innovation of talents, coupled with less investment in technology research, it has a great difficulty in making biopharmaceutical research results producibility. In this way, not only the scientific research is affected, the promotion and development of biotechnology are restricted, and the cultivation of human resources is affected, but also making the progress of biopharmaceutical technology is at a bottleneck. Therefore, the development of biopharmaceutical technology has become an important research topic for experts and scholars, making the biopharmaceutical technology globalization.

2.2. Environment-oriented of biopharmaceutical technology

Nowadays, China's biopharmaceutical technology has been taken seriously; the community and the government put a large resource to the pharmaceutical technology to make it go to international development environment. Some of China's independent study and produce biopharmaceutical products gradually appear in the domestic and foreign markets, which have gotten great attention. Under this environment, the biopharmaceutical industry in China has more and more intense market competition, which brings biopharmaceutical experts great pressure. The reason is that the developed and other countries studied the biopharmaceutical industry earlier; they have accumulated more experience and tended to mature technology, and formed a perfect technical management system. Only from this point of analysis, the biopharmaceutical technology in China is worse than any one of them. In addition, at present, the biopharmaceutical technology talent in China is in a shortage, the economic investment is less and competition is fierce, and the lack of experience and exchange of ideas with abroad has affected the progress of biopharmaceutical technology, in particular, some imitation and direct import units have been affected. In view of this, the development of biopharmaceutical environment has been hampered.

3. Application of Biopharmaceutical Technology in Pharmaceutical Techniques

3.1. Analysis of biopharmaceutical technology

Compared with the previous biopharmaceutical technology, modern biopharmaceutical technology has been fundamentally changed. In the past, pharmaceutical technology is based on the theoretical knowledge of predecessors and accumulation of experiences and the medicine is extracted by natural or synthetic technology through related technical methods. However, this method is lack of a scientific basis, it is blinder, the resources

cannot be effectively used, and its pharmaceutical results are lack of research basis.

With the development of science and technology, modern biopharmaceutical technology is more based on drug mechanism. It takes the role of drugs as a research standard, develops drug research through different forms of technology and produce biopharmaceutical products through effective and complete pharmaceutical technology. At present, this form of technology has banned the past biopharmaceutical technology, but is also a main way of biopharmaceuticals. On the other hand, the modern pharmaceutical technology has a great anti-economic cycle effect, and has more economic development opportunities, making the product long-term developed. Although the biopharmaceutical technology has been greatly changed, it also has a great risk; there are some failures in the development process which has a direct impact on people's lives.

3.2. Application of biopharmaceutical technology

Nowadays, biopharmaceutical technology has been developed and received great attention, its technical level is gradually mature, and scientifically and effectively regulates people's physical condition, and improves people's physical fitness. For example: enzyme and cell immobilization technology, cell engineering, genetic engineering technology, and so on, have been paid attention to and widely used in the biopharmaceutical technology. In addition, some immune drugs and coronary heart disease drugs have also become commonly used drugs to regulate people's body. Based on this, the application area of biopharmaceutical technology in the pharmaceutical techniques is large, and is basically mature. In recent years, the attention and development of pharmaceutical technology is inseparable from the progress of biopharmaceutical technology, which plays an important role in its industry.

Coronary heart disease is a common human disease that can be regulated by drugs. In clinical studies, the use of antibody technology can reduce angina pain. At present, foreign companies have taken monoclonal antibodies to treat coronary heart disease angina and restore cardiac function, and the effect is significant, which to some extent also represents the successful application of coronary heart disease drugs.

Psychiatric symptoms for the patient is of consciousness, behavior, cognitive, emotional and other abnormalities; they cannot work, study, and live like healthy people; their behavior is also more abnormal, has a morbid psychology, and even have attack, injure, and other behavior. Nowadays, people live with a lot of pressure, and in a fast pace of life, for the long run some cases of anxiety, depression and other state makes the problem of mental illness increased significantly. However, in the research of this drug, the immobilized enzyme technology and

genetic engineering technology are used to analyze the difference of human's drug metabolism and provide a reference for the clinical treatment of psychiatric diseases to study the impact of various drugs.

According to the survey, disease with the highest mortality is cancer, the mortality and morbidity of different kinds of cancer are gradually increased. Cancer is a kind of multi-mechanism disease, and its treatment includes chemotherapy, radiotherapy, surgery, and so on. However, it has a great influence on people's health. At present, the use of biopharmaceutical technology makes the treatment of cancer gradually increased, for example: TNMPs can hinder the continuous growth of tumor blood vessels, control tumor proliferation or growth, and it will become a broad-spectrum anti-tumor therapeutic agent.

Immune diseases include such as: multiple sclerosis, ulcerative colitis, rheumatoid arthritis, asthma, and so on. The treatment for this type of disease is in its drug research, such as: the research and development of diabetes drug is to inject insulin gene into patient's body so as to improve the body's insulin secretion and then achieve the control of diabetes. In this regard, foreign companies have developed β -interferon which is applied in the treatment of multiple sclerosis.

4. Prospects for Biopharmaceutical Technology

4.1. Factors influencing the development of biopharmaceutical technology

Drugs have become important products of people's lives or first aid, and the improvement of biopharmaceutical technology has become a top priority. At present, the improvement of biopharmaceutical technology and its comprehensive level mostly depends on the combination of mature technology in developed countries and the techniques in China. Despite the supply of human resources is enough, the biopharmaceutical technology research and development are still lack of talents supply, and are lack of technology leaders. Under the new normal background, an enterprise without leader despite with mature technology and adequate talents is useless, which is lack of integrated management. Although biopharmaceutical technology is booming at present, it still has many problems and needs to be further optimized and improved. Therefore, biopharmaceutical technology in China should also go abroad, actively communicate and learn from the others so as to enhance the overall strength in the fierce marketing environment.

4.2. Guide and drive of biopharmaceutical technology

The progress of science and technology and the improvement of national comprehensive strength have further promoted the development of biopharmaceutical

technology in China. On the other hand, the study of human genetic and disease mechanisms also promoted the promotion of biotechnology, making the future development target of biopharmaceutical technology more clearly. In the future development, biopharmaceutical technology research will continually expand and extend, and gradually integrate into the human body development and life extension. The research target of some experts and scholars also began to tend to test, economic input, product effects, and drug applicability. In short, different scientific and technological research will increase the research space of biopharmaceutical technology and increase its revenue. At the same time, developing more significant efficacy and less economic investment drugs will become the future development-oriented of biopharmaceutical technology.

5 . Conclusions

Through comprehensive analysis, it is known that the progress of science and technology makes the biopharmaceutical technology attracted worldwide attention, and became main products for people's health regulation or treatment. Based on the analysis of social development, it is related to the harmonious development of the country; based on the objective analysis, it influences the development of pharmaceutical companies, and will extend

people's vitality and improve their quality of life. As an important support for modern scientific and technological progress, biopharmaceutical technology can enhance the technological content of pharmaceutical techniques and scientific values. In the future development, biopharmaceutical technology will further open the market, promote the pharmaceutical industry achieving economic efficiency in the fierce competition, and promote social and economic progress.

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