

## The Applications of htDNA-chip® in Healthcare

The relationship between DNA and healthcare

Modern medical research has proved that, except for trauma, almost all diseases are related to genes. Just as blood is divided into different blood types, normal genes in the human body are also divided into different genotypes, called genetic polymorphisms. Different genotypes have different sensitivity to environmental factors, and sensitive genotypes can cause diseases under the action of environmental factors. There are three basic causes of diseases: (1) Acquired gene mutations; (2) Interaction between normal genes and the environment; (3) Hereditary gene defects. Through the guidance of the process of protein synthesis, genes determine our efficiency in absorbing food, eliminating toxins from the body and responding to infections. When genes work normally, our bodies can develop and function normally. If a gene is abnormal, even a tiny fragment of the gene is abnormal, it can cause developmental abnormalities, disease, and even death. A healthy body depends on the continuous renewal of the body to ensure the normal quantity and quality of protein. These proteins cooperate with each other to ensure the normal execution of various functions of the body. Changes in the quantity or quality of protein can cause abnormal body functions and cause diseases.



What are the applications of htDNA-chip® in healthcare?

The medical applications of htDNA-chip® mainly include DNA-based testing, DNA-based therapy, and DNA-based medical beauty. The rapid gene testing is mainly through high-throughput next-generation sequencing of htDNA-chip®. In terms of the DNA-based therapy, htDNA-chip® mainly promotes the development of various drugs. As for the medical beauty, compared with traditional medical aesthetics, htDNA-chip® has more obvious advantages which include more targeted and fewer side effects.

<https://www.htdna-chip.com/healthcare.html>