

DNA-based Therapy Based on htDNA-chip®

DNA-based drug development and production are playing an increasingly important role in modern medicine. The application of [DNA-based therapy](#) mainly includes DNA-encoded compound library for new drugs research, genetically engineered bacteria drugs, nucleic acid vaccines, recombinant antibodies, small nucleic acid drugs, and gene editing. Firstly, we can quickly promote the development of new drugs through the construction of DNA coding libraries. Secondly, we can realize the mass production of protein drugs, antibiotic drugs and recombinant antibodies by developing genetic recombination drugs. Thirdly, to achieve targeted treatment of rare diseases and tumors through research on small nucleic acid drugs. In addition, we can repair abnormal genes by performing gene editing at the DNA level to achieve targeted mutations of genes. The treatment of diseases by genetic methods are more targeted, safer and more effective than traditional methods.



Our silicon-based high-throughput [htDNA-chip® technology platform](#) mainly provides DNA amplification platforms and high-throughput next-generation sequencing platforms for DNA-based therapy, which are used for the construction of various types of DNA libraries and high-precision DNA synthesis.