

Oligonucleotide microarray for the analysis of human gene mutations

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Abstract

Since the human genome DNA sequence of 3 billion base pairs was deciphered in February 2001, attention has been paid to the functions of about 30,000 human genes. DNA chip technology represents earliest efforts to diagnose various human diseases associated with DNA sequence anomalies. Here we take a close look at the principles and manufacturing technologies of this rapidly growing area, highlighting the oligonucleotide microarray for the analysis of human gene mutations. We present an example of diabetes DNA chip.

References

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