Fusion-type genotype probe, prim for treating chronic myeloid leukemia and method of use thereof

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Technology description

Summary:
The invention relates to a fusion genotypic probe and primer for the treatment of chronic myeloid leukemia and a method for using the same. The invention specifically refers to a method for realizing reverse transcription reaction, polymerase chain reaction, modified gene and hybridization to detect the capture probe of BCR-ABL deformed protein type according to the surface of solid support, and to promote the formation of nucleic acid complex between target DNA, so that the deformed substance of BCR-ABL can be detected quickly and accurately. The chronic myeloid leukemia fusion gene detection method of the invention integrates reverse transcription reaction, asymmetric polymerase chain reaction and hybridization, which is more convenient than the existing method, shortens the detection time and realizes automatic detection.
The effect of the invention:
The invention uses probes and primers to detect the fusion gene of chronic myeloid leukemia, fuses reverse transcription reaction, asymmetric polymerase chain reaction and hybridization, is more convenient than the existing method, and shortens the detection time. Automatic detection is realized. In addition, in the process of fusion, enhance the signal and improve sensitivity. In particular, the capture probe and primer of the invention can correctly detect the fusion gene of chronic myeloid leukemia. Therefore, the invention can be used for the treatment of chronic myeloid leukemia and its prognosis.

Application area

A manufacture reagent for chronic myeloid leukemia

Institution

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