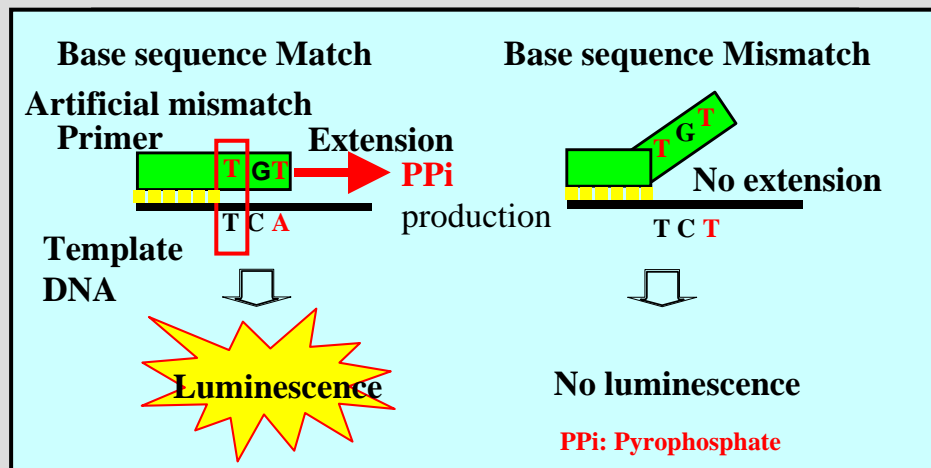


2002/7/17 Release

Development of a compact, inexpensive and highly sensitive DNA analysis system for SNP typing



Principle of DNA Analysis Method by Bioluminescence Assay



Compact highly sensitive DNA Analysis System

A compact and highly sensitive DNA analysis system has been developed for typing of single nucleotide polymorphisms (SNPs); SNPs are thought to affect susceptibility to disease and receptivity to drugs in individuals. SNP typing can be carried out within few tens of seconds, simply by adding a reagent to a sample solution. As the system is handy and compact, it can be used in various laboratories, hospitals, etc. The way to “tailor-made medicine”, which supports individualized healthcare such as therapy and prescriptions tailored to individual constitutions, will be opened through SNP databases in the future. This work was supported by the New Energy Development Organization (NEDO).