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What is DNA Synthesizer? by Angie Turner

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We all know DNA is the most important substance in human body. DNA is Deoxyribo-nucleic acid and there are various methods developed by scientist to copy a strand of DNA in biological cells. The machines used for this purpose are knows as DNA synthesizers. The most important use of these machines is to synthesize oligonucleotides from a very wide range of applications. Some of these applications are PCR, dual labeled probes, microarrays, sequencing, and antisense experiments. These machines are flexible in their nature and are compatible with a great variety of DNA and RNA synthesizes applications as well as with the requirements of the custom oligonucleotide synthesizer.

As DNA has been one of the most important and widely researched subjects, laboratories all around the world study it. Study of DNA and innovation and research can solve many mysteries and facilitate in finding cures to various diseases. A DNA synthesizer helps custom build a specific sequence of nucleotides which further helps in extensive study of this substance.

As the synthesizers also study the sequences of nucleotides, they are also known as DNA sequencers. Not just research about disease cures, these machines come in handy when dealing with crimes. They are helpful in identifying the person from the DNA sample taken from a crime scene. The advanced ones are also compatible with the computers and other technologically controlled devices and can be made to control handle batch analysis and monitor processes. Various biological manufacturers also use DNA synthesizers in their manufacturing process.

Ability to deliver high throughput synthesis, cost efficiency of chemicals, scalability, technical support and the customer service provided by the manufacturer of these machines is what makes the synthesizers sell. Highest demand of these highly important machines is in national laboratories, pharmaceutical companies and universities all around the world.

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