## **Technological Trends of DNA Microarray in Toxicogenomics**

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DNA Microarray (also known as biochips, DNA chips, gene arrays, and gene chips) are "fusion" technology platform which have different nucleic acids located in known positions on the chip surface-usually a glass, plastic or silicon slide-in a grid-like formation. DNA chip formats allow the simultaneous detection of a number of target nucleic acid sequences. There are two major product as well as technology segments that make up the biochip field: microarrays and microfluidics. There are also numerous proprietary technologies that may incorporate aspects of microarrays or microfluidics.

In an effort to further reduce costs, scientists and engineers have been applying miniaturization, integration, and parallel-processing techniques developed in the computer industry to the development of laboratory devices and procedures that will fit on a microarray.

Here, I am going to introduce technological trends of Microarray in toxicogenomics.