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Preserve your Biological Sample with Biobank by James Blee

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Human biological samples have always been of immense use to humankind. These samples serve as a key source for supporting many types of contemporary research like genomics and personalized medicine. These samples are collected and preserved by biobank. This bank provides an opportunity to the researchers to use these biological samples and conduct research in various medical fields. They are maintained by hospitals, universities, nonprofit organizations and pharmaceutical companies.

These banks carefully store and document access to samples and donor information. These samples being of immense use and importance are maintained with utmost care in order to prevent them from any deterioration over a period of time. They are also protected against physical damage both accidental and intentional. biobank is a system for the management of a tailored facility that collects stores and distributes biological resources. This system incorporates an adaptive data model and developed processes for the management of intellectual property, policy issues, services and maintenance.

These banks can even be categorized on basis of purpose or design. Disease oriented biobanks are affiliated by hospitals and collect samples representing a variety of diseases where biomarkers can conduct a detailed research on these samples indicating their symptoms, causes and remedies. The biological specimens collected by these banks include blood, urine, skin cells and organ tissue..

These banks are used for conservation of genetic resources, sustainable utilization of genetic resources, management system for archival collections, advancement of scientific knowledge, biodiscovery and biosecurity. They are used to study diseases and possibly find a cure for humankind. It helps in diagnosing the causes and symptoms of deadly diseases. It also provides an in-depth understanding of human genetics. Biobanks are definitely a blessing for humankind as it is only with the help of human specimens and contribution by medical researchers that some non curable diseases have become fully curable.

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