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Understanding the Importance of Human Tissue Banks

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The following article summarizes the work of tissue bank experts who are completely familiar with all the aspects and working procedure of human tissue banks. Heed their advice to avoid any surprises from these banks. It seems like new information is discovered about something every day and the topic of human tissue banks is no exception. Tissue bank is a non-profit concern dedicated to the supply of safe, reliable and cost-effective human tissues for transplantation. These tissue banks handles all human tissue types like cord blood stem cells, peripheral blood, bone marrow derived stem cells, adult stem cells, bone marrow, sperm, cornea, heart valves, plasma and bone.

These tissue banks are highly committed to the ethical development of the service by contributing to the improvement of human health through the facilitation of refinement, reduction and replacement of animal tests. The tissues stored in these banks come from several sources like autopsy and organ procurement organizations. These banks are well equipped with highly advanced tissue processing laboratories that offer micro-biological safety cabinets, stem cell volume reduction, controlled rate freezing, and cryogenic storage, sub-sample storage for future testing, high resolution testing, rhesus typing and full virology testing.

These banks carefully store the human tissues in large tanks which are fully monitored at all times. All samples are stored in vapor phase liquid nitrogen to minimize the potential cross contamination through liquid media storage. All the cryogenic tanks operate independently and all the samples are stored in hard shell protective cassettes. .

These banks are also installed with fire monitoring and detection for both heat and smoke thus preventing the tissue sample from getting damaged.. Dedicated to systematically collect, store and distribute tissues, these banks have successfully made a significant contribution in overcoming various health disorders for attaining a healthier tomorrow.

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