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The Nuances of Biological Samples by [James](#)

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Human biological samples have a vital role in research works. It helps the researchers a lot in understanding the common or rare diseases in human, their unknown cause and mechanism. Learning the changes that occur in the molecular and cellular level in the human biological samples allows the doctors or researches to find the cause hidden behind the symptoms. The sample consists of solid tissue, biofluids and their derivatives among others. This is the way to give rise to innovative, more efficient medication that is quite helpful to treat the diseases that have not proper or sufficient medication till date.

Human biological samples permit the doctors to forecast the probable efficacy of a possible new medicine and also help to minimize any unwanted side effects which may lead to further damages. .

It should be mentioned here that there are certain global legislation and decent guidelines that should be followed by the collectors of the biological samples. The collection center must follow proper procedures and methods so that it can be guaranteed that the donated biological samples are processed in an extremely responsible and ethical way. The doctors should take proper precaution so that they don't become a victim of the germs. Emphasis should be given on the facts such as written consent of the donor, the rights and preferences of the donor and his family should be properly maintained and at the same time the environment of the of the medical research lab should be favorable enough where research can flourish. To maintain paramount performances, the researchers should carry on developing these processes and applying them through on-going education, training, monitoring and assessment programs for associated employees, suppliers and collaborators.

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