



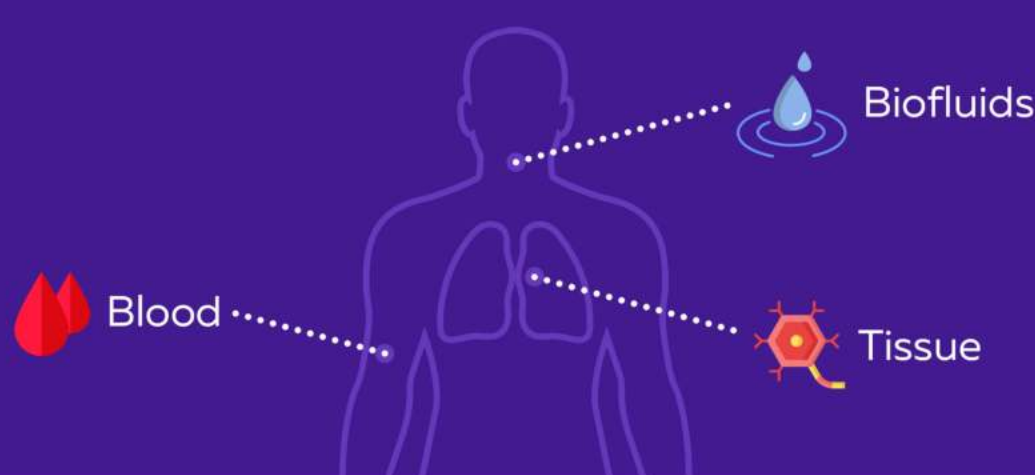
Medical Staff's Role in Biospecimen Procurement

While being essential to biomedical research, biospecimen procurement is also a complex process involving the well-coordinated efforts of various players. This nature of biobanking creates a certain degree of disconnection and often leaves the different parties with only a partial vision and understanding of the entire biospecimen journey.

Scientists need biospecimens mainly for the early preclinical stages of drug development or biomarkers discovery, and their final goal is to support innovative life-saving solutions for patients in need. Biobanking teams ensure the ethical and correct collection of these biosamples and their delivery to the researchers. Medical professionals play a crucial role within this process and they oversee a number of key aspects of human biospecimen procurement.

Scientists use disease models to study pathologies and find new cures. Available disease models are: animal models, in vitro cell lines, and patient derived biosamples

Which human biosamples can be used for drug discovery and development?



How are collected biosamples used?

Isolated biospecimens are being processed and analyzed in multiple ways during all the phases of the drug development process:

- They are being processed to extract and analyze key biomolecules
- They are being processed to extract key cell types and study disease mechanisms
- They are being cultured to test drug efficacy and toxicity

Who is using the collected biospecimens?



Academic research teams

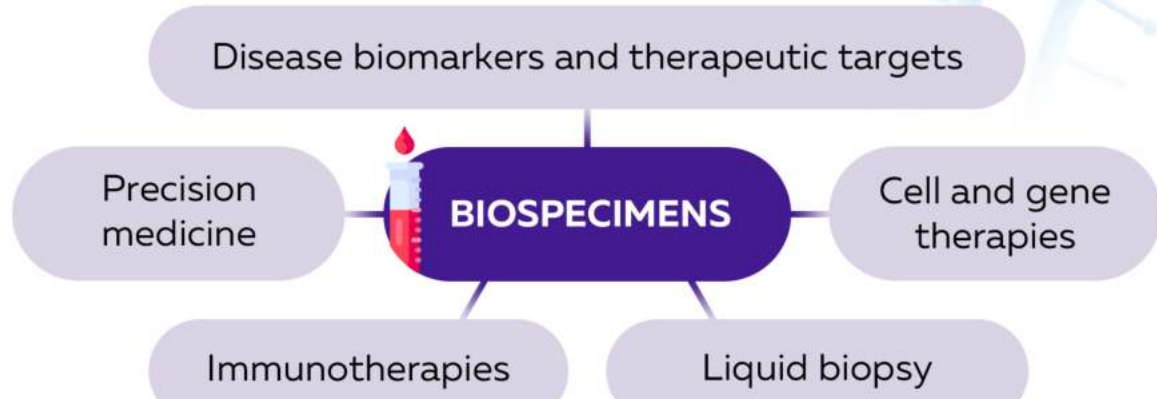


Governmental research programs (CPTAC)



Industry (biotech and pharma)

What biomedical advancements are supported by biospecimens availability?



Can all biosamples support biomedical research? No, only quality biosamples are useful for achieving good results!

Biosamples need to be:

- Ethically collected
- Collected from pseudonymised patients, corresponding to the inclusion/exclusion criteria of the study
- Corresponding to the study cohort size needs
- Collected and processed in a uniform way, following the study's SOPs and protocols
- Biosamples full potential comes with associated medical data



How to ensure biosamples meet these criteria?
Work with a qualified and devoted medical and laboratory teams!

What is the role of clinicians and medical staff in the process of biospecimen collection:

- Providing expert opinion on collections feasibility
- Identifying patients meeting the criteria of the study
- Educating patients
- Ensuring patients safety and anonymity is protected
- Ensuring biosamples are collected, following study's SOP and protocols
- Ensuring extensive medical data is collected and provided



At Audubon, we know that success is impossible without our medical staff partners. We greatly appreciate their daily efforts in treating and helping patients as well as in supporting new therapeutics development and protecting patient's safety throughout the process.

If you want to learn more about the medical environments we collaborate with, check our [Geographical Locations page](#), where we outline our clinical sites network. If you are curious to know more about the essential role clinicians and doctors play in biospecimen procurement, check out our dedicated [webpage](#) or [contact us](#).

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