

What is a Histotechnologist?

Also known as: Tissue Technologist

, Histologic Technologist

A histotechnologist is someone that is part of a medical laboratory team that works with human, animal or plant specimens to diagnosis disease and abnormalities. Their main function is to prepare tissue samples for analysis. This is a complex process and involves putting the specimen through a variety of preparatory steps. These steps include staining, processing, trimming, and other techniques that require a specific skill set. To achieve accurate testing, the histotechnologist must have the skills and training to perform complex scientific testing.

How to Become a Histotechnologist

Interested in becoming a histotechnologist? Here are your next steps.

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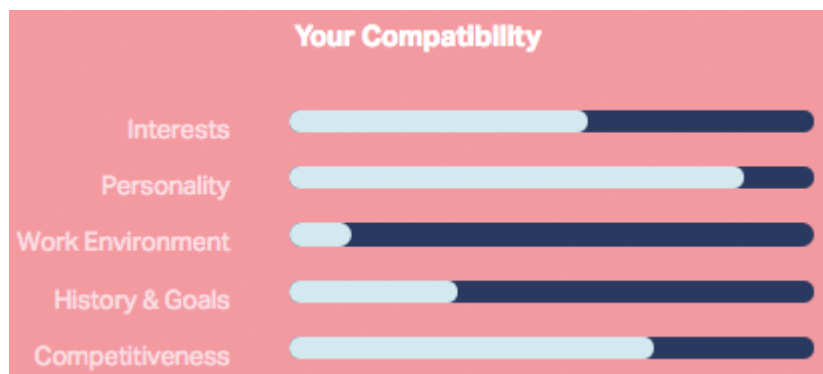
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What does a Histotechnologist do?

Histotechnologists are the people behind the scenes. They are the unsung heroes who work tirelessly with the [pathologist](#) to prepare, process and analyze specimens to determine the presence or absence of disease. They make an enormous impact on the lives of human and animals around the globe. They help solve crimes, develop new treatment modalities for disease, and assist in making everyday products like plant food more effective. They touch every aspect of human, animal and plant life through the discoveries and tests they perform.

Using a scientific process, the histotechnologist prepares the specimen, then performs a series of tests depending on what the practitioner requests. An example would be to test a biopsy for the presence of cancerous cells. The process requires meticulous attention to the scientific process. If the histotechnologist is sloppy, or misses a step, the results will be inaccurate. Inaccurate results could have catastrophic consequences for the donor of the sample.

Upon receipt of the sample, the histotechnologist begins preparing it by "grossing" or trimming the specimen so that it will fit onto the slide. There are numerous ways to accomplish this step and all require advanced training and skills. Once the specimen is ready it has to be treated so that it does not decompose. Specimens may also require staining, embedding or sectioning. All of these functions must be done to exact specifications following a procedure approved by the lab. Failure to follow each step exactly will result in erroneous results.



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What is the workplace of a Histotechnologist like?

Histotechnologists typically work in laboratories that are clean, temperate, and organized. They can work for hospitals, doctors' offices, clinical pathology labs, veterinary services, private research labs, pharmaceutical companies, or for government agencies.

Videos



[The Field Of Histotechnology](https://www.youtube.com/watch?v=wARAz4U1LOU)
<https://www.youtube.com/watch?v=wARAz4U1LOU>



Jackie Marshing's Frozen Sectioning Cutting Techniques



[Jackie Marshing's Frozen Sectioning Cutting Techniques](https://www.youtube.com/watch?v=2mRkvhJ3zUo)
<https://www.youtube.com/watch?v=2mRkvhJ3zUo>



[Histology at Bristol](https://www.youtube.com/watch?v=PafHxS5bq9A)
<https://www.youtube.com/watch?v=PafHxS5bq9A>



[Preparing For A Histotechnology Career In The US](https://www.youtube.com/watch?v=sBfA30Ouc8w)
<https://www.youtube.com/watch?v=sBfA30Ouc8w>

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Further Reading

- [Histotechnologists And Histologic Technicians](#)
www.onetonline.org
Prepare histologic slides from tissue sections for microscopic examination and diagnosis by pathologists. May assist in research studies.
- [The Job Description For A Histotechnology Technician](#)
everydaylife.globalpost.com
Television shows set in hospitals tend to focus on the doctors and nurses who work in high-stress, high-drama areas such as the surgical suite and emergency room. The life of a histology technician or other laboratory staff isn't nearly as dramatic, and that's part of the career's appeal.
- [Histotechnologist Careers](#)
myfootpath.com
Histotechnologists have close working relationships with many professionals in the healthcare field. Whether

myfootpath.com

Histotechnologists have close working relationships with many professionals in the healthcare field. Whether they are preparing slides for the pathologist or rushing results of suspicious tissue to the anesthesiologist in the operating room, histotechnologists play a crucial role in ensuring the safety and accuracy of treatment for patients.

- Salary For Histotechnologists And Histologic Technicians

www.recruiter.com

The primary functions of histotechnologists and histologic technicians are to prepare and dispose of laboratory slides used by pathologists.

- How Do I Become A Histotechnologist?

www.nsh.org

All histotechnicians have certain common characteristics. They are problem solvers. They like challenge and responsibility. They are accurate, reliable, work well under pressure and are able to finish a task once started.

- What Is Histotechnology?

www.nsh.org

Histotechnology centers on the detection of tissue abnormalities and the treatment for the diseases causing the abnormalities.