



Medical Technologist Background

The medical technologist is a key member of the medical community that performs the large majority of the tests on samples collected. Seventy percent of all medical diagnoses are made based on results from the medical laboratory. The medical technologist can also move up to supervisory roles in the laboratory and beyond.



Typical Activities

- **Conduct chemical analysis of body fluids**, including blood, urine, or spinal fluid, to **determine presence of normal or abnormal components**.
- **Analyze laboratory findings** to check the accuracy of the results.
- **Operate, calibrate, or maintain equipment** used in quantitative or qualitative analysis, such as spectrophotometers, calorimeters, flame photometers, or computer-controlled analyzers.
- **Collect and study blood samples** to determine the number of cells, their morphology, or their blood group, blood type, or compatibility for transfusion purposes, **using microscopic techniques**.
- **Enter data from analysis of medical tests or clinical results into computer** for storage.

Education Required

Most have a **4 year bachelor's degree in medical technology or in clinical laboratory science**

Pay

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| <ul style="list-style-type: none"> • US Wage = \$24.89 hourly, \$51,770 annual • National Job Growth = 10% to 14% | <ul style="list-style-type: none"> • NYS Wage = \$29.58 hourly, \$61,530 annual • NYS Job Growth = + 15% |
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Interests

- **Investigative** — Investigative occupations frequently involve working with ideas, and require an extensive amount of thinking.
- **Realistic** — Realistic occupations frequently involve work activities that include practical, hands-on problems and solutions.
- **Conventional** — Conventional occupations frequently involve following set procedures and routines. These occupations can include working with data and details more than with ideas.

Sample Job Titles

Chief Medical Technologist; Clinical Laboratory Scientist (CLS); Clinical Laboratory Technologist; Histologist Technologist; Medical Laboratory Technologist (Medical Lab Tech); Medical Technologist (MT); Medical Technologist, Clinical Laboratory Scientist; Microbiologist; Microbiology Technologist; Research Assistant

Career Video: <https://youtu.be/aU8vyqHCy5w>

All information can be found at www.onetonline.org

Additionally, take the online career interest profiler at <https://www.mynextmove.org/explore/ip>