



मेडिकल लैब टेक्नीशियन

A Medical Lab Technician (MLT) is a healthcare worker who tests samples like blood, urine and sputum to help doctors diagnose disease. They are essential to pathology labs, hospitals and blood banks. Demand has stayed steady with...



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Salary, exams, colleges, the routes in and the steps after — all on the portal.

career.gsssjethantri.in/#/career/medical-lab-technician

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श्रीमती संघमित्रा

वरिष्ठ व्याख्याता, डाइट बाड़मेर (सहयोग)
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अभिकल्पना व विकास · व्याख्याता (इतिहास)
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सुरेश कुमार सैन

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वनिता कुमारी

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कमलेश चौधरी

व्याख्याता (राजनीति विज्ञान) · रा.उ.मा.वि. टापरा

करियर मार्गदर्शन कार्यशाला, डाइट बाड़मेर (14-17 जुलाई 2026) में विकसित व लोकार्पित
Developed & unveiled at the Career Guidance Workshop, DIET Barmer (14-17 July 2026)

यह एक स्वतंत्र परियोजना है, जो सरकार की आधिकारिक करियर-मार्गदर्शन सामग्री पर आधारित है। · An independent project based on the Government's official career-guidance content.

1 About this career

A Medical Lab Technician (MLT) is a healthcare worker who tests samples like blood, urine and sputum to help doctors diagnose disease. They are essential to pathology labs, hospitals and blood banks. Demand has stayed steady with the rise of test-driven medicine after COVID. You can enter the field quickly through a DMLT diploma after Class 10, or a BMLT/BMLS degree after Class 12 (Science).

2 At a glance

Min. qualification	DMLT after Class 10; Class 12 Science (Biology) for BMLT/BMLS degree
Work mode	On-site lab work; shift duty (sometimes night/emergency)
Demand (2026)	Steady and growing — in diagnostic lab chains and hospitals
Top earning	₹8–15+ lakh/year as lab manager or running own diagnostic lab

3 What you need

INTERESTS

- Interest in science, biology and the human body
- Enjoying precise testing with machines and the microscope
- A desire to work in healthcare and help patients

ABILITIES

- Attention to detail and focus — a tiny error can change a report
- Steady hands and skill in handling instruments

- Discipline and following safety/biohazard protocols

KEY SKILLS

- Sample collection (blood sampling/phlebotomy) and labelling
- Basic haematology, biochemistry and microbiology tests
- Recording reports in Lab Information Systems (LIS) and computers
- Courteous patient handling and report confidentiality
- Operating microscope, centrifuge and auto-analysers
- Infection control and safe bio-medical waste disposal
- Quality control (QC) and equipment calibration

4 How to get there

- 1 Pass Class 10 (Science subjects help); for the degree route, do Class 12 with Physics-Chemistry-Biology.
- 2 After Class 10 take the 2-year DMLT diploma; or after Class 12 (Science) take the 3–4-year BMLT/BMLS degree.
- 3 For government seats in Rajasthan, apply via the RUHS CUET (for BMLS) or the Rajasthan State Allied & Healthcare Council counselling.
- 4 Complete the compulsory clinical internship in a hospital/lab during the course.
- 5 Register with the Rajasthan State Allied & Healthcare Council to practise legally.
- 6 Start as a lab technician in a diagnostic lab/hospital; later specialise or study M.Sc/PG for growth.

MAIN EXAMS

- RUHS CUET (Rajasthan) — entrance test for government BMLS/allied-health degree seats.
- Rajasthan State Allied & Healthcare Council counselling — DMLT/BMLT admission is mostly merit-based on Class 10/12 marks.
- Many private institutes admit directly on merit/interview, with no separate exam.

5 Where to study

GOVERNMENT INSTITUTES

- Rajasthan University of Health Sciences (RUHS) — B.MLS / allied-health — Jaipur (<https://ruhsraj.org/>)
- SMS Medical College — paramedical/lab technology — Jaipur (<https://medicaleducation.rajasthan.gov.in/smsjaipur/>)
- Rajasthan State Allied & Healthcare Council — DMLT/BMLT admission — Rajasthan (statewide) (<https://rsahcouncil.org/>)
- Directorate of Medical Education — govt colleges' paramedical wings — Rajasthan

PRIVATE INSTITUTES

- Rungta Paramedical College (RPMC) — DMLT/BMLT — Jaipur
- Rawat College — DMLT — Jaipur (<https://www.rawatcollege.in/academic/dmlt>)
- RR College of Paramedical Sciences — Rajasthan (<https://rrcollegeofparamedical.com/>)

FEES

Government fees for DMLT/BMLT are relatively low — roughly ₹10,000–40,000 per year. Private colleges may charge ₹30,000–80,000/year for DMLT and up to ₹50,000–1.5 lakh/year for BMLT/BMLS.

SCHOLARSHIPS

- Rajasthan SJE Post-Matric Scholarship (<https://sje.rajasthan.gov.in/>)
- National Scholarship Portal (NSP) (<https://scholarships.gov.in/>)

6 What the work is like

WHERE YOU WORK

Pathology/diagnostic labs, hospital labs, blood banks, collection centres and research labs.

WORK CULTURE

Rule-bound, with emphasis on hygiene and safety; shift duties and occasional emergency testing; teamwork-oriented.

WHO HIRES

- | | |
|---|--|
| • Diagnostic lab chains — Dr Lal PathLabs, SRL, Metropolis, Thyrocare | • Private and government hospitals (SMS Jaipur, AIIMS Jodhpur, etc.) |
| • Blood banks and blood collection centres | • Medical colleges and research laboratories |

- Rajasthan Medical & Health Department (government recruitment)
- Local pathology clinics and self-owned diagnostic labs

DEMAND (2026)

India's diagnostics industry is growing fast and every hospital-lab needs trained technicians, so demand stays steady. Government recruitment is limited but regular; private lab chains offer more openings. Pay remains modest relative to the field.

7 Career growth

- 1 Lab Technician (entry level)
- 2 Senior Lab Technician / Technologist
- 3 Lab Supervisor
- 4 Lab Manager / Lab In-charge
- 5 Own diagnostic lab or collection-centre franchise

EARNINGS

Starting	₹1.2–2.5 लाख/वर्ष
Mid level	₹2.5–4.5 लाख/वर्ष
Senior level	₹5–8+ लाख/वर्ष

Freshers often earn ₹10,000–20,000 per month; more with experience or a government post. Lab managers or lab owners can reach ₹8–15 lakh+. This is a modest-pay field (2026 estimate).

8 The good parts · The challenges**The good parts**

- Quick employment through a short, low-cost course (DMLT after Class 10).
- Steady demand in healthcare; labs exist in every town and city.
- Scope to open your own diagnostic lab after gaining experience.

The challenges

- Low starting pay; big raises need experience or higher study.
- Risk of exposure to infectious samples and chemicals — care is essential.
- Shift/night and emergency duties, plus repetitive work.

9 Real-life journeys

Arokiaswamy Velumani

Founder of Thyrocare — from a landless farmer's son to a diagnostics giant

Born to a landless farmer in a Coimbatore village, Velumani sometimes ate just one meal a day; his first job paid Rs 150 a month. He became a scientist, earned a PhD in thyroid biochemistry, and started Thyrocare with only Rs 2 lakh — growing it into one of India's largest diagnostic lab chains.

YourStory · <https://yourstory.com/2017/09/arokiaswamy-velumani-thyrocare>

Ameera Shah

Metropolis Healthcare — grew one lab into a chain of 125+ labs

Daughter of a Mumbai pathologist, Ameera Shah left a finance job abroad to take charge of her father's single lab (just 40 staff) at 21. She built it into a multinational chain of 125+ diagnostic labs and took the company public in 2019, showing women can lead in diagnostics.

Wikipedia · https://en.wikipedia.org/wiki/Ameera_Shah

10 Sources & further reading

1. RUHS official website — <https://ruhsraj.org/>
2. Rajasthan State Allied & Healthcare Council — <https://rsahcouncil.org/>
3. National Scholarship Portal — <https://scholarships.gov.in/>
4. National Career Service (NCS) — <https://www.ncs.gov.in/>



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