



LABORATORY EXCELLENCE, SAFETY AND ACCREDITATION

Clinical Laboratory Techniques for Medical Diagnostics

3 day course

Classroom, online or in-house

Course overview

A clinical laboratory result changes what happens to a patient, which makes the pre analytical stage the laboratory does not control the largest source of error it is blamed for. This course covers the whole path. Delegates work through specimen collection, handling and the rejection criteria that protect a result, and the haematology bench including counts, differentials and the film review that automation cannot replace. Clinical chemistry follows: analyser principles, calibration, and the interferences that produce a plausible wrong answer. Immunoassay work is covered. Quality control and the Westgard style rules that decide whether a run is released are addressed. Critical results and the communication obligation attaching to them follow. The course closes on turnaround, on interpreting a result against reference intervals, and on when to repeat.

What you will learn

- Control the pre analytical stage and apply rejection criteria
- Perform haematology counts, differentials and film review
- Operate clinical chemistry analysers with correct calibration
- Recognise interferences that produce a plausible wrong answer
- Carry out immunoassay work reliably
- Apply quality control rules to release or reject a run
- Handle critical results and decide when to repeat a test

Who should attend

- Medical laboratory technologists and technicians
- Phlebotomists transitioning into laboratory testing roles
- District and mission hospital laboratory staff
- Point of care testing coordinators

Course outline

- 01 Error the laboratory is blamed for but does not create
- 02 Specimen collection, handling and rejection
- 03 Haematology counts and differentials
- 04 Film review and what automation misses
- 05 Clinical chemistry and analyser principles
- 06 Calibration and interferences
- 07 Immunoassay work
- 08 Quality control, critical results and repeat criteria

Upcoming dates

Dates	Venue	Format	Fee per delegate
21 to 23 October 2026	Online	Online	R6,500
26 to 28 October 2026	Accra, Ghana	Classroom	USD 995
4 to 6 November 2026	Maputo, Mozambique	Classroom	USD 995
30 November to 2 December 2026	Dar es Salaam, Tanzania	Classroom	USD 995



Fees and how to register

This 3 day course is **R6,500** per delegate online, **R14,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 995** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriScience.co.za, or WhatsApp us on **+27 63 479 1136**.

AfriScience Group | +27 61 536 6531 | info@afriScience.co.za | Pretoria, Gauteng, South Africa