



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Point Of Care Biomedical Instrumentation And Rapid Testing Kits Training

Health Sciences and Social Services / Curative Health

Unit Standard 114734 · NQF Level 4 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips healthcare professionals and laboratory technicians with the knowledge and practical skills to operate point-of-care biomedical instrumentation and interpret rapid testing kits accurately. It focuses on quality assurance, safety protocols, and the application of these technologies in clinical settings to enhance patient care.

Category	Health Sciences and Social Services
Subfield	Curative Health
Unit Standard	114734
Accreditation	SAQA Accredited · NQF Level 4 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate correct procedures for operating point-of-care biomedical instruments and rapid testing kits.
- Apply quality control measures and troubleshoot common instrument malfunctions.
- Analyze test results to ensure accuracy and reliability in patient diagnosis.
- Evaluate safety protocols and infection control measures during point-of-care testing.
- Implement proper specimen collection, handling, and disposal procedures.
- Interpret rapid test results and communicate findings effectively to clinical teams.

WHO SHOULD ATTEND

- This course is designed for nurses, clinical technologists, laboratory technicians, and healthcare practitioners involved in or transitioning to point-of-care testing environments.

COURSE OUTLINE

Day 1: Foundations of Point of Care Testing and Instrumentation

- Introduction to POCT: scope, benefits, and limitations.
- Overview of biomedical instrumentation: glucometers, haemoglobin analysers, pregnancy test readers.
- Principles of rapid testing kits: lateral flow, agglutination, and immunochromatographic assays.
- Quality control: internal and external quality assessment, calibration, and troubleshooting.
- Regulatory standards: SAHPRA, SANAS, and ISO 15189 requirements.
- Infection prevention and control: safe handling of specimens and disposal of sharps.
- Documentation and record-keeping for POCT results.

Day 2: Practical Operation and Maintenance of POCT Devices

- Hands-on setup: glucometer, haemoglobinometer, and pregnancy test kit.
- Step-by-step procedure for performing a rapid HIV test.
- Reading and interpreting results: valid, invalid, and indeterminate.
- Troubleshooting common issues: device errors, reagent problems, and user errors.
- Quality control testing: running controls, recording results, and taking corrective action.
- Maintenance: cleaning, battery replacement, and storage conditions.
- Practical exercise: perform a full POCT workflow from sample to result.

Day 3: Integration, Competency Assessment, and Emerging Trends

- Case studies: POCT in diabetes management, antenatal care, and emergency settings.
- Quality management systems: policies, procedures, audits, and corrective actions.
- Competency assessment: observed structured clinical examination (OSCE) on a POCT device.
- Emerging trends: connectivity, data integration, and wearable biosensors.
- Ethical and legal considerations: patient consent, result confidentiality, and reporting.
- Developing a POCT policy for a clinic or hospital.
- Final assessment: written test and practical demonstration.

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **6 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 17,900.00	R 17,900.00
1	In-House	R 23,300.00	R 23,300.00
1	On-Campus (Pretoria)	R 26,800.00	R 26,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	12 Aug 2026	On-Campus	Pretoria, South Africa
10 Aug 2026	12 Aug 2026	On-Campus	Mauritius
11 Aug 2026	13 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	13 Aug 2026	On-Campus	Cape Town, South Africa
12 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
12 Aug 2026	14 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	19 Aug 2026	On-Campus	Harare, Zimbabwe
17 Aug 2026	19 Aug 2026	On-Campus	Abu Dhabi, UAE

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 114734) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call +27 12 004 8389 or WhatsApp +27 65 077 6310 and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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