

Position Statement

Point of Care Testing

CSMLS endorses Point of Care Testing (POCT) when it is overseen by a medical laboratory. A laboratory POCT program is a collaborative and coordinated process between the clinical laboratory and other health care professionals, and there is clear evidence that the use of this technology improves the quality of patient care.

POCT is laboratory testing performed at or near the patient, outside a central laboratory environment. It is usually performed by non-laboratory health care professionals using a variety of methods which may include strips, kits or instruments/devices. Benefits to POCT may include improved turnaround times, improved patient outcomes, reduce diagnosis and treatment time, and decrease workload by reducing on call for laboratory staff.

Technological advancements have produced portable, easy to operate instruments that can deliver rapid, high quality test results.

Point-of-care testing programs require:

- Approval and selection of POC tests
- Inter-discipline collaboration and effective communication
- Evaluation and determination of potential improvements for patient outcomes
- Standardization and performance verification of instrumentation
- Personnel training, certification and re-certification
- Accessible continuing education program
- Ongoing resources to support the program
- Effective cost management

Clinical laboratories and medical laboratory professionals must maintain focus on assuring continuous quality of all laboratory testing wherever the procedures are performed. Medical laboratory professionals have the responsibility for the management of quality assurance by providing leadership and expertise in:

- Developing, maintaining, operating and reviewing appropriate training programs to ensure competency of operator
- Assisting in the development of procedures
- Establishing and monitoring appropriate documentation
- Establishing and monitoring quality control practices
- Implementing and auditing proficiency programs
- Ensuring compliance with equipment protocols

Reference:

ISO 22870:2016 Point-of-care testing (POCT) -- Requirements for quality and competence
Environmental Scan - Point-of -Care Testing - CADTH
https://www.cadth.ca/sites/default/files/pdf/es0308_point_of_care_testing.pdf