



**Arbique-Rendell-Onsite Training & Consulting
Health Professionals Institute
23 Braeside Lane
Halifax, NS, B3M 3J6
Phone: (902) 449-4560/448-4560**

Venipuncture Module 4: Blood Collection Equipment and Supplies

A variety of equipment and supplies are available to collect venous blood samples. This module introduces participants to equipment and supplies that may be required for the evacuated tube system and aspiration systems (e.g. syringe-draw).

Content: Module 4 Blood Collection Equipment and Supplies

Unit 1: Objectives

Unit 2: Blood Collection Supplies

Unit 3: Needles and Holders

Unit 4: Blood Collection Tubes

Unit 5: Syringe Draw

Unit 6: Order of Draw

Unit 7: References

Objectives: Blood Collection Equipment and Supplies

1. List the information required on the test requisition.
2. Discuss the purpose, organization and maintenance of the blood collection tray.
3. Discuss the role of gloves in the procedures involving venous access.
4. Describe the components of the evacuated tube system, and how these are assembled.
5. Be familiar with alternatives to the evacuated tube system for blood collection.
6. Describe the proper method of skin cleansing and its importance.
7. Describe the safe disposal of blood collection equipment.
8. List the anticoagulants used in evacuated tubes.
9. For each anticoagulant, above, describe:
 - mode of action
 - use
 - advantages
 - disadvantages
10. Describe the needles used for venipuncture and the significance of their gauges.



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11. List the order of draw recommended by the Clinical Laboratory and Standards Institute (CLSI).
12. List the equipment and supplies needed to collect blood by venipuncture.
13. Discuss the role of winged infusion devices in venipuncture.
14. Describe the additives for each common evacuated tube by color-coded stopper.
15. Provide an example of a test used for each tube above.
16. Differentiate antiseptics and disinfectants.
17. Define: lumen, bevel, and gauge.

Evaluation:

At the end of each unit, there is a practice activity to help participants apply their knowledge and assess their learning.

Following completion of all the units in each module, there is an exam that each course participant must challenge and successfully complete with a passing grade of 80%.

Course Duration

The course is self paced so course duration will depend on the individual participant and their prior knowledge base with the course subject matter. On average, the course will take between 1-1.5 hours to complete each unit.

Who Should Take the Course?

The course is intended for health care professionals charged with the task of blood collection and/or intravenous catheter or other types of vascular system line insertions.

Retail Course Price

\$49.95+Tax

* PEP credit hours assigned by the Canadian Society of Medical Laboratory Sciences (CSMLS)

(Under Review)

0 CPS/ART credits 6.5 PEP hours

Venipuncture Module 4: Blood Collection Equipment and Supplies is the fourth in a series of modules on venipuncture techniques. There are 8 modules in total. We encourage you to consider continuing your studies with other modules in the Venipuncture Techniques series.