



Health Care

Blood Draw Using the Blue Luer-Lock Vacutainer

Blue Luer-Lock Vacutainer



- Use the blue luer-lock vacutainer to draw blood directly from **PIVs & CVLs** in **adult** patients.
- This method reduces specimen hemolysis and prevents needlestick injuries.

Blood Draw from PIV Using the Blue Luer-Lock Vacutainer

Step-By-Step Guide



Flush IV with normal saline.



Attempt to draw back after flush. If possible, withdraw at least 3 ml of blood to waste.



If unable to withdraw blood with 10 ml flush, apply tourniquet 3-4 inches above IV, attach 3 ml syringe and pull back. The smaller syringe often allows blood withdrawal where larger one won't.



Release tourniquet. Never leave a tourniquet cinched for over 1 minute.



Attach blue luer-lock vacutainer to needless connector.
Vacutainer not recommended on IVs smaller than 22 gauge.



Insert desired tube into vacutainer.



Switch out tubes until ordered specimens are all collected. Remove and discard vacutainer. Flush IV.

Please use these vacutainers when drawing specimens from central lines as well.

Flush with NS and waste blood per the standard process for central line.

Attach vacutainer to needless tip, insert into specimen tube until required amount of blood is collected.

Additional Resources

- [Patient Care- Vascular Access \(IV\) Adult Clinical Guideline](#)
- [Mosby GN44-12 Peripherally Inserted Central Catheter: Blood Sampling – CE](#)
- [Mosby CC061- Central Venous Catheter: Blood Sampling- CE](#)