CLAIMS:

1. A blood sample collection system, comprising:

a housing, the housing comprising:

a blood collection port; and

a baffle chamber;

a collection needle formed through the housing and into the blood collection port; and

a baffle formed within the baffle chamber to counteract a vacuum within a blood collection tube when pierced by the needle, wherein the baffle includes a spring biased to expand the baffle in a fully expanded state.

2. The blood sample collection system of claim 1, further comprising a baffle needle formed through the housing and fluidically coupling the baffle with the interior of the blood collection tube.

3. The blood sample collection system of claim 2, further comprising a baffle conduit formed in the housing to fluidically couple the baffle to the baffle needle.

4. The blood sample collection system of claim 3, further comprising a filter formed in the baffle conduit to prevent blood from entering the baffle.

5. The blood sample collection system of claim 1, wherein the blood collection port comprises a thread to receive a complimentary thread formed on a blood collection tube.

6. The blood sample collection system of claim 1, further comprising a hub connector fluidically coupled to the needle to fluidically couple the blood sample collection system to an intravenous device.

7. The blood sample collection system of claim 1, wherein the baffle has an internal volume of 5 ml.

~~8. The blood sample collection system of claim 1, wherein the baffle includes a spring biased to expand the baffle in a fully expanded state.~~

8.~~9.~~ The blood sample collection system of claim 1, further comprising a blood collection tube wherein the blood collection tube includes a thread to engage a surface within the blood collection port.

9.~~10.~~ The blood sample collection system of claim 1, further comprising a compressed saline flush tube to be received at the blood collection port and replace a blood collection tube subsequent to a blood collection process.

10.~~11.~~ The blood sample collection system of claim 9~~10~~, wherein the compressed saline flush tube comprises a locking thread that, once introduced into the blood collection port, locks the compressed saline flush tube into the blood collection port to prevent removal of the compressed saline flush tube.

11.~~12.~~ A method of manufacturing a blood sample collection system, comprising:

forming a housing, the housing comprising:

a blood collection port; and

a baffle chamber;

forming a baffle within the baffle chamber~~; and~~

~~forming a spring within the baffle~~, wherein the baffle includes a spring biased to expand the baffle in a fully expanded state.

12.~~13.~~ The method of claim 11~~12~~, further comprising forming a baffle needle through the housing and fluidically coupling the baffle with an interior of a blood collection tube placed within the blood collection port.

13.~~14.~~ The method of claim 12~~13~~, further comprising forming a baffle conduit in the housing to fluidically couple the baffle to the baffle needle.

14.~~15.~~ The method of claim 13~~14~~, further comprising forming a filter in the baffle conduit to prevent blood from entering the baffle.

15.~~16.~~ The method of claim 11~~12~~, further comprising forming a thread onto an interior surface of the blood collection port to receive a complimentary thread formed on a blood collection tube.

16.~~17.~~ A peripheral intravenous catheter (PIVC) device, comprising:

a housing, the housing comprising:

a blood collection port, the blood collection port comprising a thread to receive a complementary thread from a blood collection tube placed in the blood collection port; and

a baffle chamber fluidically coupled to the blood collection port via a baffle conduit formed into the housing;

a needle formed through the housing and into the blood collection port; and

a baffle formed within the baffle chamber to counteract a vacuum within a blood collection tube when pierced by the needle, wherein the baffle includes a spring biased to expand the baffle in a fully expanded state.

17.~~18.~~ The PIVC device of claim 16~~17~~, further comprising a baffle needle formed through the housing and fluidically coupling the baffle with the interior of the blood collection tube via the baffle conduit.

~~19. A saline flush tube, comprising:~~

~~an internal volume of saline to be used as an intravenous (IV) device flush;~~

~~a compression mechanism to apply a force against the internal volume of saline;~~

~~a cap selectively containing the internal volume of saline within the saline flush tube until a rubber membrane is punctured by a blood sample collection device and the compression mechanism pushes the internal volume of saline out of the tube.~~

~~20. The saline flush tube of claim 19, wherein the compression mechanism is one of a plunger, a volume of compressed air, and a spring.~~