What is claimed is:

1. A vascular access device adapter comprising:

a substantially cylindrical housing body, the housing body having a proximal end, a distal end, an outer housing sidewall and an aperture defining an interior flow channel,

a female fitting integrally formed to the proximal end of the housing body projecting proximally from the housing body, the female fitting having a concentric lumen defining an interior flow path of a female adapter;

an end cap, the end cap having a concentric proximal opening, a distal wall, an inner sidewall and a concentric aperture extending from the proximal opening to the distal wall, the aperture defining an end cap interior; the distal wall having a concentric hole extending therethrough; and,

a substantially cylindrical self-healing puncturable septum having a proximal portion and a distal portion, the proximal portion having a smaller diameter than the diameter of the cylindrical distal portion; the transition from the proximal portion to the distal portion defining a ridge;

wherein the flow channel and the concentric lumen define a greater flow channel;

wherein the housing body is disposed within the end cap, the inner sidewall of the end cap and the outer housing sidewall of the housing body creating a fitment;

wherein the puncturable septum is disposed within the concentric aperture of the end cap, the ridge abutting the distal end of the housing body, creating a seal.

2. The vascular access device adapter of claim 1, wherein the fitting is a threaded fitting, the threaded fitting of the vascular access device connecting to a corresponding threaded fitting of a separate access device.

3. The vascular access device adapter of claim 1, wherein the fitting is a slip fitting, the slip fitting of the vascular access device corresponding to a slip fitting of a separate access device, the slip fitting of the vascular access device adapter having a conical shape.

wherein the fitting of the vascular access device and the separate access device are removably pressed and held together with an interference fit.

4. The vascular access device adapter of claim 1, wherein the fitting is a locking fitting, the locking fitting of the vascular access device connecting to a corresponding locking fitting of a separate access device;

wherein the fitting of the vascular access device and the separate access device are removably secured by pressing the fitting of the vascular access device into the fitting of the separate device receptor and twisting the vascular access device, creating a lock.

5. The vascular access device adapter of claim 1, wherein the fitment is removably secured by an interference fit.

6. The vascular access device adapter of claim 1, wherein the fitment is secured by an adhesive.

7. The vascular access device adapter of claim 1, wherein the fitment is secured by a threaded connection.

8. The vascular access device adapter of claim 1, wherein the end cap further comprises a plurality of ribs, the ribs creating a slip fit with an inner wall of a sample container collection device.

9. A blood draw kit comprising

the vascular access device adapter of claim 1; and,

a sample container collection device comprising a cylindrical body having an inner sidewall, a substantially open first end and second end**,** the second end having a bottom wall from which a concentrically placed male connector projects distally from the cylindrical body, the substantially open end defining an opening that extends to the bottom wall, the bottom wall having an integrally disposed small hollow gauge needle, the small hollow gauge needle having a lumen

defining, the lumen and an aperture of the male connector defining a collection device channel; and,

a flush syringe having a compatible male fitting for removable attachment to the female fitting of the vascular access device adapter, the compatible female fitting comprising an attachment portion including an interior surface defining an inner dimension sized to attach the compatible male connector to housing body a fluid-tight connection;

wherein the small hollow gauge needle punctures the septum of the vascular access device adapter, allowing fluid to flow from the syringe through the greater flow channel of the vascular access device adapter to the collection device channel.

10. The blood draw kit of claim 9, wherein the sample container collection device further comprises a protective elastomeric sleeve substantially covering the hollow small gauge needle; the elastomeric sleeve being integrally joined to the bottom wall; the elastomeric sleeve having a restorative force.

11. The blood draw kit of claim 10, wherein the end cap further comprises a plurality of ribs, the ribs creating a slip fit with an inner wall of a sample container collection device, counteracting the restorative force such that the vascular access device adapter remains stationary.

12. The blood draw kit of claim 9 further comprising

a catheter comprising an introducer needle and a female connector adapted to receive the male connector of the sample container collection device in a fluid-tight connection.

13. The blood draw kit of claim 9 further comprising

a cylindrical blood collection tube comprising a liquid tight compartment and a puncturable septum.

wherein the small hollow gauge punctures the septum of the blood collection tube, allowing fluid to flow from the collection device channel of the sample container collection device to the compartment.