

What is claimed is:

1. A vascular access device adapter comprising:
 - a substantially cylindrical housing body, the housing body having a proximal end, a
5 distal end, an outer housing sidewall and an aperture defining an interior flow channel,
 - a 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 the female adapter;
 - an end cap, the end cap having a concentric proximal opening, a distal wall, an inner
10 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
15 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;
 - 20 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
25 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.
- 30 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;
- 5 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
10 secured by an interference fit.
6. The vascular access device adapter of claim 1, wherein the fitment is secured by an adhesive.
- 15 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
20 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
25 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
30 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.

14. 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 an open elongate tip, the elongate

tip having an outside surface and an a concentric lumen defining an interior flow path of the female adapter, the outside surface of the elongate tip having a taper extending in a proximal direction;

5 a substantially cylindrical self-healing puncturable septum integrally disposed on the distal end of the housing body.

15. The vascular access device adapter of claim 14, wherein the female fitting is a threaded fitting, the threaded fitting connecting to a corresponding threaded receptor of a separate access device.

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16. The vascular access device adapter of claim 14, wherein the female adapter is a slip receptor, the slip receptor corresponding to a slip fitting of a separate access device, the slip fitting having a conical shape;

15 wherein the fitting and receptor are removably pressed and held together with an interference fit.

17. The vascular access device adapter of claim 14, wherein the female fitting is a locking fitting, the locking fitting connecting to a corresponding locking receptor of a separate access device;

20 wherein the fitting and receptor are removably secured by pressing the fitting into the receptor and twisting the fitting, creating a lock.

18. The vascular access device adapter of claim 14, wherein the housing body further comprises a ridge, the ridge being configured to correspond to a plurality of jaws of a retainer clip, the retainer clip having an interference fit with an inner sidewall of a sample collection device.

19. The vascular access device adapter of claim 14, further comprising a plurality of ribs extending from the proximal end partially along the housing body.

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20. The vascular access device adapter of claim 14, further comprising a female-to-female adapter configured to couple a distally located female connector of a syringe to the proximal adapter fitting of the vascular access device adapter.