CLAIMS

We claim:

1. A catheter extension set, comprising:

a distal end, comprising a luer adapter configured to couple to a catheter adapter;

a proximal end, comprising a blood collection device; and

an extension tube extending between the distal end and the proximal end and defining a fluid pathway from the distal end to the proximal end,

wherein an inner surface of the extension tube in the fluid pathway that defines a lumen of the extension tube comprises an absorbent material defining a portion of the inner surface of the extension tube, with the absorbent material positioned within a cut-out formed in a sidewall of the extension tube while not extending out radially beyond the sidewall to obstruct the lumen, and wherein blood within the fluid pathway of the extension tube is configured to flow over and past the absorbent material and flow proximate the absorbent material, and

wherein the absorbent material provides a visual indicator to a clinician of a location of blood flow within the extension tube, including if the blood flow has reached the absorbent material, thereby enabling the clinician to change a flow resistance within the catheter extension set responsive to the blood flow reaching the absorbent material.

2. The catheter extension set of claim 1, further comprising a clamp disposed on the extension tube, wherein the clamp is configured to move between a clamped position and an unclamped position.

3. The catheter extension set of claim 1, wherein the luer adapter is a first luer adapter, wherein the blood collection device comprises a second luer adapter, further comprising a third luer adapter coupled to the second luer adapter, wherein the extension tube comprises a distal end and a proximal end, wherein the distal end of the extension tube is integrated with the first luer adapter, wherein the proximal end of the extension tube is integrated with the third luer adapter.

4. The catheter extension set of claim 1, wherein the extension tube comprises a distal end and a proximal end, wherein the distal end of the extension tube is integrated with the luer adapter, wherein the proximal end of the extension tube is integrated with the blood collection device.

5. A catheter extension set, comprising:

a distal end, comprising a luer adapter configured to couple to a catheter adapter;

a proximal end, comprising a blood collection device; and

an extension tube extending between the distal end and the proximal end and defining a fluid pathway from the distal end to the proximal end,

wherein a sidewall of the extension tube in the fluid pathway that defines a lumen of the extension tube comprises an indicator tube formed entirely within the sidewall, the indicator tube comprising a plurality of markers,

wherein blood within the fluid pathway of the extension tube is configured to flow through the indicator tube, and

wherein the indicator tube provides a visual indicator to a clinician of a location of blood flow within the extension tube, including if the blood flow has reached the indicator tube, thereby enabling the clinician to change a flow resistance within the catheter extension set responsive to the blood flow reaching the indicator tube.