CLAIMS

1. A catheter assembly, comprising:

a catheter adapter having a distal end, a proximal end, a lumen extending between the distal end and the proximal end, and a side port, the side port having a lumen in fluid communication with the lumen of the catheter adapter, wherein the side port extends from the catheter adapter in a distal direction, wherein the lumen of the catheter adapter is permanently axially fixed with respect to a longitudinal axis of the catheter adapter;

a catheter secured within the catheter adapter and extending distally from the catheter adapter; and

a septum disposed within the lumen of the catheter adapter, wherein a central axis of the lumen of the side port intersects a distal face of the septum.

2. The catheter assembly of claim 1, further comprising an extension tube having a distal end integrated with the side port.

3. The catheter assembly of claim 2, further comprising a connector disposed at a proximal end of the extension tube.

4. The catheter assembly of claim 1, wherein the side port extends in the distal direction at 45° with respect to a longitudinal axis of the catheter assembly.

5. The catheter assembly of claim 1, further comprising a needle hub and an introducer needle extending from the needle hub, wherein the needle hub is coupled to the proximal end of the catheter adapter.