WHAT IS CLAIMED IS:

1. A catheter assembly, comprising:

a catheter adapter, comprising a distal end, a proximal end, an inner surface extending through the distal end and the proximal end and forming a lumen, and a side port forming a side port pathway through a sidewall of the catheter adapter and in fluid communication with the lumen;

an extension tube integrated within the side port, wherein a diameter of the side port pathway increases in a distal direction;

a catheter extending distally from the distal end of the catheter adapter; and

a septum disposed within the lumen proximal to the side port pathway; and

wherein the side port pathway comprises a first side and a second side opposite the first side, wherein the first side is straight, wherein a proximal end of the second side is straight and a distal end of the second side is angled proximally with respect to the proximal end of the second side, wherein the first side is distal to the second side, and wherein the distal end of the second side contacts the septum.

2. The catheter assembly of claim 1, wherein the septum comprises an elastomeric body surrounded by a canister.