The invention claimed is:

1. A syringe assembly comprising:

a syringe cylinder extending from an opening configured to receive a plunger to an end configured to couple with a needle and/or medical tubing;

a plunger extending from one end to a sealed end;

at least one port cap configured to couple to the one end and another port cap configured to couple with the one port cap, the one and another port caps abutting each other when coupled, and wherein each of the port caps is configured to releasably couple to a line port and comprises:

a structure extending from a surface of the caps, the structure being complimentary to another structure of the line port; and

one or both of a sponge-type applicator material and a cleansing solution; and

a barrier material encompassing both the one cap and the other cap.

2. The syringe assembly of claim **1** wherein the one port cap further comprises both a sponge-type applicator material and a cleansing solution.

3. The syringe assembly of claim **1** wherein both port caps and the one end are configured to couple via a LEUR-LOK fitting.

4. The syringe assembly of claim **1** wherein the one end defines an internal fitting and the one port cap is configured to couple with the one end outside the internal fitting.

5. The syringe assembly of claim **1** wherein both port caps are configured to couple with the same size port.

6. The syringe assembly of claim **1** wherein the barrier material encloses the sponge-type applicator material and/or cleansing solution within the other port cap.

7. The syringe assembly of claim **1** wherein both port caps are the same size.

8. The syringe assembly of claim **1** wherein the structure of each of both port caps comprises internal threading.