## CLAIMS

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 cap configured to couple to the end; and

barrier material at least partially encompassing the cap and the end.

2. The syringe assembly of claim 1 wherein the cap further comprises one or both of an applicator material and/or a cleansing solution.

3. The syringe assembly of claim 1 wherein the cap and end are configured to couple via a LEUR-LOK fitting.

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

5. 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 seal end; and

at least one cap configured to couple to the one end.

6. The syringe assembly of claim 5 wherein the one cap further comprises one or both of an applicator material and/or a cleansing solution.

7. The syringe assembly of claim 5 wherein the one cap and the one end are configured to couple via a LEUR-LOK fitting.

8. The syringe assembly of claim 5 wherein the one end defines an internal fitting and the one cap is configured to couple with the one end outside the internal fitting.

9. The syringe assembly of claim 5 further comprising another cap configured to couple with the one cap.

10. The syringe assembly of claim 9 wherein the other cap comprises one or both of an applicator material and/or a cleansing solution.

11. The syringe assembly of claim 5 wherein the other cap further comprises a barrier material enclosing applicator material and/or cleansing solution within the other cap.

12. The syringe assembly of claim 5 further comprising barrier material encompassing both the one cap and the other cap.

13. 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; and

a plunger extending from one end to a seal end, the one end of the plunger defining a recess configured to receive at least one cap.

14. The syringe assembly of claim 13 wherein the one cap comprises one or both of an applicator material and/or a cleansing solution.

15. The syringe assembly of claim 13 further comprising another cap coupled to one or both of the plunger or the one cap.

16. The syringe assembly of claim 15 wherein the other cap comprises one or both of an applicator material and/or a cleansing solution.

17. The syringe assembly of claim 15 further comprising barrier material extending at least partially about the other cap.

18. The syringe assembly of claim 13 wherein the recess is configured to receive at least two caps.

19. The syringe assembly of claim 18 wherein the two caps can be aligned lengthwise within the recess.

CLAIMS

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 cap configured to couple to the end;

   barrier material at least partially encompassing the cap and the end; and

   wherein the cap and end are configured to couple via a LEUR-LOK fitting.