

What is claimed is:

1. A syringe comprising:
  - a syringe barrel having a distal end, an open proximal end, a sidewall extending
  - 5 between the distal end to the open proximal end, the sidewall defining a chamber, and an enteral collar engagement feature adjacent the distal end of the syringe barrel;
  - a non-luer tip dimensioned such that the non-luer tip is not connectable to an intravenous device, the non-luer tip defining a fluid pathway in fluid communication with the chamber; and
  - 10 an enteral collar having a distal end and a proximal end, the proximal end having a syringe engagement feature complementary to and engagable with the enteral collar engagement feature, the enteral collar surrounding the non-luer tip when the syringe engagement feature is engaged with the enteral collar engagement feature, and the enteral collar being sized to permit connection to an enteral device and prevent connection to a device
  - 15 having a luer connector.
2. The syringe of claim 1, wherein the enteral connection collar is outside the fluid pathway and not in fluid communication with the chamber.
- 20 3. The syringe of claim 1, wherein the enteral collar engagement feature and the syringe engagement feature comprise complementary mating features selected from detents, tabs, fingers, slots, a snap-fitting, depressions and threads.
4. The syringe of claim 1, wherein the enteral collar engagement feature comprises collar
- 25 threads engagable with syringe threads adjacent the distal end of the syringe barrel.
5. The syringe of claim 1, wherein the syringe engagement feature and the enteral collar engagement feature engage via a snap-fitting.
- 30 6. The syringe of claim 1, wherein after engagement of the syringe engagement feature and the enteral collar engagement feature, the enteral collar is not removable from the syringe.

7. The syringe of claim 1, wherein after engagement of the syringe engagement feature and the enteral collar engagement feature, the enteral collar is not rotatable with respect to the syringe.

5 8. The syringe of claim 1, wherein the syringe barrel distal end includes an extension wall including the enteral collar engagement feature.

9. The syringe of claim 1, wherein the extension wall includes an interior surface and an exterior surface, and the enteral collar engagement feature is located on the interior surface.

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10. The syringe of claim 8, wherein the proximal end of the enteral collar includes the syringe engagement feature and the distal end of the enteral collar includes a lug for engaging a threaded, non-luer connector.

15 11. The syringe of claim 10, wherein the chamber has a volume of less than 5 ml, and a dead space region that retains fluid in the chamber after fluid is expelled from the chamber, wherein the dead space region contains less than 0.07 ml of fluid.

20 12. The syringe of claim 1, wherein the non-luer tip is at the distal end of the syringe barrel and the enteral collar engagement feature is located between the open proximal end and the distal end of the syringe barrel.

13. The syringe of claim 12, wherein the enteral collar engagement feature is located in a peripheral depression adjacent the distal end of the syringe barrel.

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14. The syringe of claim 12, wherein the enteral collar has an inner surface with threads.

15. The syringe of claim 10, wherein the collar is not removable or rotatable after the collar has been engaged with the enteral collar engagement feature.

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16. The syringe of claim 12, wherein the chamber has a volume of less than 5 ml, and a dead space region that retains fluid in the chamber after fluid is expelled from the chamber, wherein the dead space region contains less than 0.07 ml of fluid.

17. A syringe comprising:

a syringe barrel having a distal end, an open proximal end, a sidewall extending between the distal end to the open proximal end, the sidewall defining a chamber, a distal extension wall extending from the distal end of the syringe barrel and an enteral collar engagement feature on the distal extension wall;

a non-luer tip dimensioned such that the non-luer tip is not connectable to an intravenous device, the non-luer tip defining a fluid pathway in fluid communication with the chamber; and

an enteral collar having a distal end and a proximal end, the proximal end having a syringe engagement feature complementary to and engagable with the enteral collar engagement feature, the enteral collar surrounding the non-luer tip when the syringe engagement feature is engaged with the enteral collar engagement feature, and the distal end of the collar includes an outwardly extending lug for engaging a threaded, non-luer connector, and the enteral collar sized to permit connection to an enteral device.

18. The syringe of claim 17, wherein the chamber has a volume of 5 ml to less than 10 ml, and a dead space region that retains fluid in the chamber after fluid is expelled from the chamber, wherein the dead space region contains less than 0.075 ml of fluid.

19. The syringe of claim 17, wherein the enteral collar is outside the fluid pathway and not in fluid communication with the chamber.

20. A syringe comprising:

a syringe barrel having a distal end, an open proximal end, a sidewall extending between the distal end to the open proximal end, the sidewall defining a chamber;

a non-luer tip dimensioned such that the non-luer tip is not connectable to an intravenous device, the non-luer tip defining a fluid pathway in fluid communication with the chamber;

a peripheral enteral collar engagement feature between the distal end of the syringe barrel and the non-luer tip; and

an enteral collar having a distal end and a proximal end, the proximal end having a syringe engagement feature complementary to and engagable with the enteral collar

engagement feature, the enteral collar surrounding the non-luer tip when the syringe engagement feature is engaged with the enteral collar engagement feature, and the enteral collar sized and including internal threads to permit a threaded connection to an enteral device.

5 21. The syringe of claim 20, wherein the chamber has a volume in a range of 5ml and less than 10 ml, and a dead space region that retains fluid in the chamber after fluid is expelled from the chamber, wherein the dead space region contains less than 0.075 ml of fluid.

22. The syringe of claim 20, wherein the enteral connection collar is outside the fluid  
10 pathway and not in fluid communication with the chamber.