We claim:

1. An injector comprising:

a container including a wall with an interior surface defining a bore, at least one stopper having an interior surface and being received within and moveable along the bore and a seal assembly with an interior surface, at least the interior surfaces of the wall and the seal assembly defining a closed sterile reservoir filled with a drug product;

a fluid delivery system comprising a sterile container needle having a point disposed only partially through the seal assembly in a storage state such that the sterile container needle is not in fluid communication with the reservoir, and disposed through the interior surface of the seal assembly into the sterile reservoir in a delivery state such that the sterile container needle is in fluid communication with the reservoir; and

an actuator that is adapted to move the container needle from the storage state to the delivery state;

wherein the seal assembly comprises a flexible wall having an interior surface that defines the interior surface of the seal assembly, and

wherein the seal assembly comprises a barrier separate from and spaced from the flexible wall such that the barrier and the flexible wall define an enclosed space between the flexible wall and the barrier.

2. The injector of claim 1, wherein the wall of the container comprises a rigid wall.

3. The injector of claim 1, wherein the wall of the container comprises a flexible wall.

4. The injector of claim 3, wherein the wall of the container defines a bore with an opening and the flexible wall defines a septum disposed across the opening and fixedly attached to the wall of the container.

5. The injector of claim 3, wherein the stopper comprises the flexible wall of the seal assembly.

6. The injector of claim 5, wherein the wall of the container defines a closed end opposite the stopper and an open end in which the stopper is disposed.

7. The injector of claim 1, wherein the bore has a first end defining an opening, and the flexible wall defines a septum disposed across the opening and fixedly attached to the wall of the container, the container further comprising a piston defining the stopper, the stopper being disposed within a second end of the bore and moveable along the bore.

8. The injector of any one of claims 1 to 3, wherein the point of the container needle disposed through the barrier into the space in the storage state.

9. The injector of claim 1, wherein the stopper comprises the flexible wall defining a first stopper and the barrier defining a second stopper each stopper being moveable along the bore.

10. The injector of claim 1, wherein the container comprises a vent in fluid communication with the space between the barrier and the flexible wall.

11. The injector of claim 10, wherein the vent is formed in the barrier.

12. The injector of claim 10, wherein the vent is formed within the interior surface of the wall of the container.

13. The injector of claim 10, wherein the wall of the container defines a closed end opposite the first and second stoppers and an open end in which the first and second stoppers are disposed.

14. The injector of claim 1, wherein the bore includes a first end with an opening, and the flexible wall and the barrier each defines a septum disposed across the opening and fixedly attached to the wall of the container, the container further comprising a piston defining the stopper and being disposed within a second end of the bore and moveable along the bore.

15. The injector of any one of claims 1 to 3-15, wherein the fluid delivery system comprises sterile flexible tubing connected at a first end to the container needle and a second end to a sterile injection needle received within a sterile cover that closes off the sterile injection needle.

16. The injector of any one of claims 1 -3 -16, wherein the actuator is adapted to delay movement of the container needle from the storage state to the delivery state after an input is received.

17. The injector of any one of claims 1 -3 -17, further comprising a mechanical, electro-mechanical, or electrical input device coupled to the actuator.

18. The injector of any one of claims 1 -3 -18, wherein the drug product comprises a volume of an erythropoiesis stimulating agent.

19. The injector of any one of claims 1 -3 -18, wherein the drug product comprises a volume of a granulocyte colony-stimulating factor.

20. The injector of any one of claims 1 -3 -18, wherein the drug product comprises a volume of a TNF blocker.

21. The injector of any one of claims 1 -3 -18, wherein the drug product comprises a volume of a pegylated granulocyte colony-stimulating factor.

22. The injector of any one of claims 1 -3 -18, wherein the drug product comprises a volume of interleukin-receptor specific antibody.

23. The injector of any one of claims 1 -3 -18, wherein the drug product comprises a volume of IGF-receptor (Insulin Growth Factor receptor) specific antibody.

24. The injector of any one of claims 1 -3 -18, wherein the drug product comprises a volume of TGF-specific antibody.

25. The injector of any one of claims 1 -3 -18, wherein the drug product comprises a volume of PCSK9 (Proprotein Convertase Subtilisin/Kexin Type 9) -specific antibody.

26. A method of assembling an injector, the method comprising:

filling a sterile reservoir of a container with a drug product under sterile conditions, the reservoir defined by an interior surface of a wall of the container and including a bore;

disposing at least one stopper having an interior surface in the bore under sterile conditions such that the stopper is movable along the bore;

attaching a sterile fluid delivery system to the container under sterile conditions by inserting a point of a sterile container needle partially through a seal assembly, wherein the seal assembly comprises a flexible wall and a barrier separate from and spaced from the flexible wall such that the barrier and the flexible wall define the enclosed space between the flexible wall and the barrier, the sterile container needle not in fluid communication with the reservoir when the fluid delivery system is in the storage state, and a point of the sterile container needle disposed through the interior surface of the seal assembly into the sterile reservoir in a delivery state such that the sterile container needle is in fluid communication with the reservoir,; and

assembling the remainder of the injector under clean room conditions.

27. The method of claim 26, wherein assembling the remainder of the injector comprises:

attaching the fluid delivery system to an actuator under clean room conditions, the actuator adapted to change the state of the fluid delivery system from the storage state to a delivery state.