CLAIMS

1. A kit, comprising:

a prefilled syringe comprising an ammonium sulfate treated glass barrel containing an aqueous diluent; and

a container containing a pharmaceutical composition comprising an aluminum-sensitive active agent.

2. The kit of claim 1, wherein the glass barrel leaches less than 100 ppb aluminum into the aqueous diluent when stored for about 18 weeks at about 40 ºC and about 75% relative humidity.

3. The kit of claim 1 or 2, wherein the glass barrel leaches less than 100 ppb aluminum into the aqueous diluent when stored for about 12 months at about 25ºC and about 75% relative humidity.

4. The kit of claim 1, wherein the ammonium sulfate treated glass barrel comprises a siliconized inner surface.

5. The kit of claim 1, wherein the aluminum-sensitive active agent is a bioactive polypeptide.

6. The kit of claim 1, wherein the aluminum-sensitive active agent comprises antihemophilic factor or a functional variant thereof.

7. The kit of claim 1, wherein the aluminum-sensitive active agent is full-length antihemophilic factor.

8. The kit of claim 1, wherein the aluminum-sensitive active agent is a B-domain deleted antihemophilic factor.

9. The kit of claim 6, wherein the antihemophilic factor, or the functional variant thereof, is recombinant antihemophilic factor or a functional recombinant antihemophilic factor variant.

10. The kit of claim 6, wherein the antihemophilic factor, or the functional variant thereof, is PEGylated.

11. The kit of claim 1, wherein the aqueous diluent is water for injection.

12. The kit of claim 1, wherein the pharmaceutical composition comprises one or more pharmaceutically acceptable excipients.

13. The kit of claim 1, wherein the pharmaceutical composition comprises one or more salts.

14. The kit of claim 1, wherein the pharmaceutical composition comprises sodium chloride.

15. The kit of claim 1, wherein a pharmaceutical solution made by mixing the pharmaceutical composition with the aqueous diluent contained by the glass barrel of the syringe comprises about 5 mM to about 60 mM sodium chloride.

16. The kit of claim 1, wherein the pharmaceutical composition comprises calcium chloride.

17. The kit of claim 1, wherein a pharmaceutical solution made by mixing the pharmaceutical composition with the aqueous diluent contained by the glass barrel of the syringe comprises about 0.5 mM to about 10 mM calcium chloride.

18. The kit of claim 1, wherein the pharmaceutical composition comprises glycine.

19. The kit of claim 1, wherein a pharmaceutical solution made by mixing the pharmaceutical composition with the aqueous diluent contained by the glass barrel of the syringe comprises about 5 mg/mL to about 50 mg/mL glycine.

20. A method of preparing a medicament for administration, comprising:

obtaining the kit according to claim 1;

mixing the pharmaceutical composition with the aqueous diluent, thereby forming a pharmaceutical solution.