CLAIMS

The invention is claimed as follows:

1. A hemostatic composition comprising spray-dried thrombin and less than 5% by weight albumin.

2. The hemostatic composition of claim 1, comprising less than 3% by weight albumin.

3. The hemostatic composition of claim 1, comprising less than 2.5 % by weight albumin.

4. The hemostatic composition of claim 1, wherein the composition is substantially free of carbohydrates.

5. The hemostatic composition of claim 1, wherein the composition is substantially free of trehalose.

6. The hemostatic composition of claim 1 wherein the composition is substantially free of mannitol.

7. A thrombin feedstock solution for spray-drying comprising less than 5% by weight albumin prior to spray-drying.

8. A spray-dried thrombin material obtained by spray-drying the thrombin feedstock solution of claim 7.

9. The composition of claim 8, wherein the thrombin is aseptically spray-dried.

10. A spray-dried thrombin material comprising 75 to 90% by weight total protein based on the total solids content of the material.

11. A method for inhibiting bleeding, the method comprising:
reconstituting a spray-dried thrombin material in less than sixty seconds;
applying the reconstituted spray-dried thrombin material to a wound site; and
optionally co-administering a biologically compatible polymer to the wound site.

12. The method of claim 11, wherein the biologically compatible polymer is a gelatin.

13. The method of claim 12, wherein the gelatin is cross-linked.

14. The method of claim 11, wherein the spray-dried thrombin material is reconstituted in less than 1% NaCl by weight.

15. The method of claim 11, wherein the spray-dried thrombin material is reconstituted in less than thirty seconds.

16. The method of claim 11, wherein the spray-dried thrombin material is reconstituted in ten to twenty seconds.

17. The method of claim 11, wherein the spray-dried thrombin material is obtained by spray-drying the thrombin feedstock composition of claim 1.

18. The method of claim 11, wherein the spray-dried thrombin material comprises 75 to 90% by weight total protein based on the total solids content of the composition.

19. The method of claim 11, wherein the spray-dried thrombin material does not comprise trehalose.