What is claimed is:

1. A polymeric composition comprising:

   a. about 1% to about 5% by weight of sodium alginate;

   b. about 5% to about 40% by weight of chitosan; and

   c. about 50% to about 94% by weight water,

   wherein the sodium alginate is dissolved in the water to form a solution, and wherein the polymeric composition is a colloidal gel with chitosan solid particles dispersed in the solution.

2. A polymeric composition of claim 1 wherein the sodium alginate has a chain length of between about 1,000 nm and about 3,000 nm.

3. A polymeric composition of claim 1 wherein the sodium alginate has an average molecular weight of about 100 kDa to about 1,000 kDa.

4. A polymeric composition of claim 1 wherein the sodium alginate has an average molecular weight of about 500 kDa to about 900 kDa.

5. A polymeric composition of claim 1 wherein the sodium alginate has an average molecular weight of about 800 kDa.

6. A polymeric composition of any one of claims 1 to 5 wherein the chitosan has a chain length of between about 2,000 nm and about 4,000 nm.

7. A polymeric composition of any one of claims 1 to 5 wherein the chitosan has a chain length of between about 2,800 nm and about 2,900 nm.

8. A polymeric composition of any one of claims 1 to 5 wherein the chitosan has a chain length of about 2,850 nm.

9. A polymeric composition of any one of claims 1 to 5 wherein the chitosan has an average molecular weight of between about 1 kDa to about 2,000 kDa.

10. A polymeric composition of any one of claims 1 to 5 wherein the chitosan has an average molecular weight of between about 1 kDa to about 1,000 kDa.

11. A polymeric composition of any one of claims 1 to 5 wherein the chitosan has an average molecular weight of about 1,000 kDa.

12. A polymeric composition of any one of claims 1 to 11 wherein the chitosan has an average degree of deacetylation of between about 75.0% to about 99.5%.

13. A polymeric composition of any one of claims 1 to 12 wherein the chitosan is derived from an organic source.

14. A polymeric composition of any one of claims 1 to 13 wherein the chitosan is derived from at least one of marine invertebrates and fungi.

15. A polymeric composition of any one of claims 1 to 14 wherein the sodium alginate is derived from an organic source.

16. A polymeric composition of any one of claims 1 to 14 wherein the sodium alginate is derived from marine algae.

17. A polymeric composition of any one of claims 1 to 16 wherein the composition exhibits hemostatic efficacy in vitro in less than about 30 seconds upon introduction to blood.

18. A polymeric composition of claim 17 wherein the in vitro hemostatic efficiency comprises an increase in clot strength units over a given time interval.

19. A polymeric composition of claim 18 wherein said hemostatic efficiency is measured by a coagulation analyzer.

20. A polymeric composition of claim 18 wherein clot strength units correspond to resistance of a clot to oscillation of a vertical probe against fibers of the clot.

21. A polymeric composition of any one of claims 1 to 20 having a maximum clot strength from about 90 to about 200 clot strength units.

22. A polymeric composition of any one of claims 1 to 21 wherein said composition withstands a vertical strain of up to about 0.5 Newtons per square millimeter without fracture.

23. A polymeric composition of any one of claims 1 to 22 wherein the viscosity is from about 145,000 cP to about 250,000 cP at about 25°C.

24. A polymeric composition of any one of claims 1 to 22 wherein the viscosity is

about 169,500 cP at about 25°C.

25. A polymeric composition of any one of claims 1 to 24 having a pH of about 7.0.

26. A polymeric composition of claim 1 having a Fourier Transform Infrared spectrum as depicted in FIG. 3.

27. A polymeric composition of claim 1 having a Fourier Transform Infrared spectrum comprising absorption peaks at: from about 3,600 cm^{-1} to about 3,000 cm^{-1}, about 2,900 cm^{-1}, about 1,640 cm^{-1}, and about 1,590 cm^{-1}.

28. A polymeric composition of any one of claims 1 to 27 wherein said chitosan has an average degree of deacetylation of between about 75.0% to about 85.0%.

29. A polymeric composition of any one of claims 1 to 27 where said chitosan has an average degree of deacetylation of between about 78.0% to about 83.0%.

30. A polymeric composition of any one of claims 1 to 27 where said chitosan has an average degree of deacetylation of between about 80.0% to about 81.0%.

31. A polymeric composition of any one of claims 1 to 27 where said chitosan has an average degree of deacetylation of about 80.5%.

32. A polymeric composition of any one of claims 1 to 31 having a density of between about 1.10 g/mL and about 1.30 g/mL at about 25°C.

33. A polymeric composition of any one of claims 1 to 31 having a density of about 1.21 g/mL at about 25°C.

34. A polymeric composition of any one of claims 1 to 33 wherein about 13 mg or more of said composition coagulates about 0.34 mL of blood in vitro.

35. A polymeric composition of any one of claims 1 to 34 having a modulus of elasticity of between about 6 kPa and about 23 kPa.

36. A polymeric composition of any one of claims 1 to 35 wherein the modulus of elasticity is about 16 kPa.

37. A polymeric composition of any one of claims 1 to 36 comprising:

a. about 2.5% by weight of sodium alginate;

b. about 8% by weight of chitosan; and

c. about 89.5% by weight water.

38. A polymeric of claim 1, composition having a viscosity between about 165,000 cP and about 174,000 cP at about 25°C comprising:

(a) alginate; and

(b) chitosan having an average degree of deacetylation of between about 75.0% and about 99.5%.

39. A polymeric composition of claim 38 having a viscosity of about 169,500 cP at about 25°C.

40. A polymeric composition of claim 38 or 39 where said chitosan has an average degree of deacetylation of between about 75.0% to about 85.0%.

41. A polymeric composition of claim 38 or 39 said chitosan has an average degree of deacetylation of between about 78.0% to about 83.0%.

42. A polymeric composition of claim 38 or 39 where said chitosan has an average degree of deacetylation of between about 80.0% to about 81.0%.

43. A polymeric composition of claim 38 or 39 where said chitosan has an average degree of deacetylation of about 80.5%.

44. A polymeric composition of any one of claims 38 to 43 having a density of between about 1.10 g/mL and 1.30 g/mL at about 25°C.

45. A polymeric composition of any one of claims 38 to 44 having a density of about 1.21 g/mL at about 25°C.

46. A polymeric composition of any one of claims 38 to 45 having a pH of about 7.0.

47. A kit comprising a first container having a polymeric composition of any one of claims 1 to 46.

48. A kit of claim 47 comprising a second container having a calcium chloride solution.

49. A kit of claim 48 where said calcium chloride solution is a 10% w/v calcium

chloride solution in water.

50. A polymeric composition of claim 1 comprising:

a. alginate having a chain length of between about 1,000 nm and about 3,000 nm and an average molecular weight of about 800 kDa; and

b. chitosan having a chain length of between about 2,800 nm and about 2,900 nm and an average molecular weight of about 1,000 kDa.

51. A polymeric composition of any one of claims 1 to 13 and 15 to 46 wherein the chitosan is derived from a plant.

52. A polymeric composition of any one of claims 1 to 13 and 15 to 46 wherein the chitosan is derived from algae.

53. A polymeric composition of any one of claims 1 to 46 and 51 to 52 wherein the chitosan is bound to a core comprising a polymeric material.

54. A polymeric composition of any one of claims 1 to 16 and 51 to 53 wherein the chitosan is bound to a core comprising poly- L-lactic acid.

55. A polymeric composition of claim 54 wherein said one or more than one polyanionic polymer comprises sodium alginate, wherein said core of poly-L-lactic acid is bound to diethylaminoethyl-dextran.

56. A polymeric composition of any one of claims 1 to 46 and 51 to 55 further comprising methylparaben.