CLAIMS

1. A sterile liquid formulation that has an absolute viscosity of 10 cP or less comprising:

(a) an anti-sclerostin immunoglobulin at a concentration of at least 70 mg/mL;

(b) a calcium salt at a concentration ranging from 5 mM to 20 mM and

(c) a total concentration of acetate ranging from 10 mM to 90 mM, wherein the immunoglobulin comprises amino acid sequences of: (i) SEQ ID NO: 86 and SEQ ID NO: 84.

2. The formulation of claim 1, that has a total osmolarity of less than 350 mOsm/L.

3. The formulation of claim 1 or 2, wherein the immunoglobulin is present as a concentration of at least 120 mg/mL.

4. The formulation of any one of claims 1-3, wherein the absolute viscosity of the formulation is 8 cP or less, or 6 cP or less.

5. The formulation of any one of claims 1-4, wherein the formulation further comprises a polyol in an amount ranging from 4% w/v to 6 % w/v.

6. The formulation of claim 5, wherein the polyol is sucrose.

7. The formulation of any one of claims 1-6, wherein the formulation comprises a total concentration of acetate of at least 50 mM.

8. The formulation of any one of claims 1-7, wherein the acetate comprises sodium acetate.

9. The formulation of any one of claims 1-8, wherein the formulation has a pH ranging from 4.5 to 6, or from 5 to 5.5.

10. The formulation of any one of claims 1-9, wherein the formulation further comprises a surfactant.

11. The formulation of any claims 9, wherein the concentration of the surfactant is from 0.004% w/v to 0.2% w/v.

12. The formulation of claim 9 or 10, wherein the surfactant is polysorbate 20.

13. The formulation of any one of claims 1-12, wherein the immunoglobulin comprises the amino acid sequences set forth in SEQ ID NOs: 88 and 90.

14. The formulation of any one claims 1-13, wherein the viscosity is assessed at 25 ^{o}C or between 2-8 ^{o}C.

~~15. The formulation of any one of the preceding claims, for use in treating a patient undergoing an orthopedic procedure, dental procedure, implant surgery, joint replacement, bone grafting, bone cosmetic surgery or bone repair.~~

~~16. The formulation of any one of the preceding claims, for use in treating a patient undergoing a dental procedure, bone grafting, bone cosmetic surgery or bone repair.~~

1~~5~~7. The formulation of any one claims 1-1~~5~~4, for use in ~~improving outcome in an orthopedic procedure, dental procedures, implant surgery, joint replacement, bone grafting, bone cosmetic surgery or bone repair~~therapy or surgery.

~~18~~16. Use of the formulation of any one of claims 1-14 in the preparation of a medicament for ~~improving the outcome of a patient undergoing~~use in an orthopedic procedure, dental procedure, implant surgery, joint replacement, bone grafting, bone cosmetic surgery or bone repair.

~~19. Use of the formulation of any one of claims 1-14 in the preparation of a medicament for treating a patient undergoing a, dental procedure, bone grafting, bone cosmetic surgery or bone repair.~~

~~20~~17. The ~~formulation for use of any one of claims 15 to 17 or the~~ use of claim 16~~18 or 19~~, wherein the bone repair is fracture healing, nonunion healing, delayed union healing or facial reconstruction.