WHAT IS CLAIMED IS:

1. A composition for tissue repair treatment, comprising a copolymer in which a hydrophobic biocompatible polymer and a hydrophilic biocompatible polymer are polymerized, the composition is a colloidal solution having a colloidal phase in which the copolymer is dispersed in water,

wherein the colloidal phase has a particle size that cannot be identified with a naked eye and insoluble foreign substance does not present in the colloidal phase,

wherein the colloidal solution has no change or an increase in turbidity when water is added and

wherein the colloidal phase is prepared by adding the copolymer to water, followed by heating to a temperature between a melting point of the copolymer and a boiling point of the water.

2. The composition for tissue repair treatment of claim 1,

wherein the composition has a range of K factor represented by equation 1 is 0.3-1.8:

<Equation 1>

$$K=(m_{100}*M_h^2*10)/(M_l*HLB^2)$$

where m_{100} is the number of moles of polymers in 100 g of an aqueous solution, M_h is the molecular weight of a hydrophilic part, M_l is the molecular weight of a hydrophobic part, and HLB is represented by equation 2,

<Equation 2>

$$HLB=20*M_h/M$$

where M_h is the molecular weightof the hydrophilic part, and M is the total molecular weight.

3. The composition for tissue repair treatment of claim 2, wherein the value of HLB is 1-14 in equation 2.

4. The composition for tissue repair treatment of any one of claims 1 to 3, wherein the hydrophobic biocompatible polymer is at least any one polymer selected from the group consisting of polyglycolic acid, polycaprolactone, poly lactic acid, polydioxanone, poly(trimethylene carbonate), polyhydroxybutyrate, and a copolymer including the same.

5. The composition for tissue repair treatment of any one of claims 1 to 3, wherein the hydrophilic biocompatible polymer comprises a glycol compound.

6. The composition for tissue repair treatment of claim 5, wherein the glycol compound is at least any one polymer selected from the group consisting of methoxy polyethylene glycol, dihydroxy polyethylene glycol, mono-alkoxy polyethylene glycol, and polyethylene glycol.

7. The composition for tissue repair treatment of any one of claims 1 to 6, wherein the copolymer has a bonding structure comprising a structure of formula 1, formula 2, or formula 3:

[Formula 1]

X-Y

[Formula 2]

Y-X-Y

[Formula 3]

X-Y-X

where X is the hydrophilic biocompatible polymer, and Y is the hydrophobic biocompatible polymer.

8. The composition for tissue repair treatment of any one of claims 1 to 7, wherein the hydrophilic biocompatible polymer is 300-20,000 g/mol.

9. The composition for tissue repair treatment of any one of claims 1 to 8, wherein the hydrophobic biocompatible polymer has a molecular weight of 1,000-30,000 g/mol.

10. The composition for tissue repair treatment of any one of claims 1 to 9, wherein the copolymer has a molecular weight of 1,300-50,000 g/mol.

11. The composition for tissue repair treatment of any one of claims 1 to 10, wherein the concentration of the copolymer in a colloidal solution is 10-50 wt%.

12. A method for manufacturing a composition for tissue repair treatment of any one of claims 1 to 11, the method comprising:

preparing a polymer by polymerizing a hydrophobic biocompatible polymer and a hydrophilic biocompatible polymer; and

obtaining the colloidal solution by adding the polymer to water.