We claim:

1. A syringe comprising prefilled with hydrogen peroxide solution, and

wherein the syringe comprises a portion made of cycloolefin polymer (COP) or cycloolefin copolymer (COC);

wherein said portion is in direct contact with the hydrogen peroxide solution; and

wherein the hydrogen peroxide solution comprises hydrogen peroxide and water.

2. The syringe according to claim 1, wherein the syringe is suitable for prefilling with a hydrogen peroxide solution.

3. The syringe according to claim 2, further comprises an additive.

4. The syringe according to any one of claims 1 to 3, further comprising a nozzle in a needle mounting part of the syringe.

5. The syringe according to claim 4, wherein the nozzle comprises a nozzle part and an adapter part connected to the needle mounting part of the syringe, and the nozzle part is a needle or a spray nozzle.

6. The syringe according to claim 5, wherein the needle has a groove with an echogenic pattern groove on an outer surface thereof.

7. The syringe according to claim 5 or 6, further comprising a protector, wherein the nozzle part is covered with the protector.

8. The syringe according to claim 7, wherein the protector comprises a support member, a nozzle protection part connected to one end of the support member, and an engagement part connected to the other end of the support member, and

the nozzle protection part comprises a space capable of accommodating the nozzle part.

9. The syringe according to claim 8, wherein the engagement part comprises a movable part and is movably connected to the other end of the support member via the movable part.

10. The syringe according to claim 8 or 9, wherein the space is positioned on a side wall of the nozzle protection part.

11. The syringe according to claim 8, wherein the support member comprises a first arm, a second arm, a first movable part, a second movable part, and a third movable part,

one end of the first arm is movably connected to the nozzle protection part via the first movable part,

the other end of the first arm is movably connected to one end of the second arm via the second movable part, and

the other end of the second arm is movably connected to the engagement part via the third movable part.

12. The syringe according to claim 9, wherein the movable part comprises a rail part connected to the nozzle protection part and a rail holding part connected to the engagement part, and

the rail holding part holds the rail part slidably.

13. The syringe according to claim 11 or 12, wherein the space is positioned inside the nozzle protection part, and

the nozzle protection part has a hollow structure.

14. The syringe according to any one of claims 1 to 13, further comprising a syringe pump.

15. The syringe according to any one of claims 1 to 14, wherein the concentration of the hydrogen peroxide in the hydrogen peroxide solution is 0.01 to 40% (w/v).

16. A kit comprising: the syringe according to claim 1, and a nozzle.

17. The kit according to claim 16, further comprising a protector for covering the nozzle part.