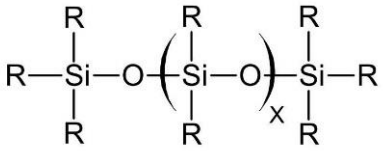
We claim:

1. A pre-filled syringe having at least a barrel thereof made of a material having high decomposition capability with respect to hydrogen peroxide, comprising:

a hydrogen peroxide solution therein; and

an oil composition applied to an inner wall of the barrel, the oil composition containing silicone oil.

2. The pre-filled syringe according to claim 1, wherein the silicone oil is a linear silicone represented by the following formula (1):



(1)

wherein, in the above formula (1),

R independently represents an organic functional group not containing a functional group involved in a hydrosilylation reaction, a monovalent hydrocarbon group or a hydroxyl group,

R may be the same as or different from each other, and

x represents an integer of 10 to 1200.

3. The pre-filled syringe according to claim 2, wherein R independently represents an alkyl group or an aryl group.

4. The pre-filled syringe according to claim 3, wherein R independently represents a methyl group, an ethyl group, or a phenyl group.

5. The pre-filled syringe according to any one of claims 2 to 4, wherein the linear silicone represented by the above formula (1) is polydiorganosiloxane having both ends blocked with triorganosilyl groups.

6. The pre-filled syringe according to claim 5, wherein the polydiorganosiloxane is polydialkylsiloxane, polydiarylsiloxane, polyalkylarylsiloxane, or a copolymer thereof.

7. The pre-filled syringe according to claim 6, wherein the polydiorganosiloxane is polydimethylsiloxane or polymethylphenylsiloxane.

8. The pre-filled syringe according to claim 7, wherein the polydiorganosiloxane is polydimethylsiloxane, and R are all methyl groups.

9. The syringe according to any one of claims 1 to 8, wherein the concentration of hydrogen peroxide in the hydrogen peroxide solution is 0.01 to 40% (w/v).

10. The syringe according to any one of claims 1 to 9, wherein the oil composition suppresses decomposition of hydrogen peroxide by the material.

11. The syringe according to any one of claims 1 to 10, wherein the material is glass.

12. Use of the syringe according to any one of claims 1 to 11 for a radiosensitizer.