CLAIMS

1. A biological sample holding container holding a biological sample, the biological sample holding container comprising:

a film,

a container main body having a bottom surface portion having a placement region for the biological sample and a side surface portion provided on the bottom surface portion so as to surround the placement region; and

an annular holding member insertable and removable inside the side surface portion,

wherein the holding member holds the film covering the biological sample on the placement region with the bottom surface portion by being inserted inside the side surface portion together with the film.

2. The biological sample holding container according to claim 1, wherein

the holding member has an outer shape corresponding to an inner shape of the side surface portion, and

a dimensional difference between the inner shape of the side surface portion and the outer shape of the holding member is larger than a thickness of the film.

3. The biological sample holding container according to claim 1 or 2, wherein a height of the holding member is equal to or less than a height of the side surface portion from the bottom surface portion.

4. The biological sample holding container according to any one of claims 1 to 3, wherein the holding member has a handle portion

protruding beyond the side surface portion in a state of being inserted inside the side surface portion.

5. The biological sample holding container according to any one of claims 1 to 4, wherein the bottom surface portion is formed of a light-transmitting material.

6. The biological sample holding container according to any one of claims 1 to 5, wherein the film is a reticulated film.

7. The biological sample holding container according to any one of claims 1 to 6, wherein the film is larger in area than the bottom surface portion.

8. The biological sample holding container according to any one of claims 1 to 7, wherein the film is formed of a light-transmitting material.

9. A biological sample holding method for holding a biological sample with a film, the biological sample holding method comprising:

a sample placement step of placing the biological sample on a placement region using a container main body having a bottom surface portion having the placement region for the biological sample and a side surface portion provided on the bottom surface portion so as to surround the placement region;

a film disposition step of disposing the film on a top surface of the side surface portion; and

a film holding step of covering the biological sample on the placement region with the film and holding the film between a holding member and the bottom surface portion by inserting the holding member inside the side surface portion together with the film using a annular holding member insertable and removable inside the side surface portion.

10. The biological sample holding method according to claim 9, further comprising a liquid injection step of injecting a liquid reagent into the container main body after the film holding step.

11. The biological sample holding method according to claim 9, further comprising a liquid injection step of injecting a liquid reagent into the container main body before the film disposition step.

12. The biological sample holding method according to any one of claims 9 to 11, wherein a holding member having an outer shape corresponding to an inner shape of the side surface portion and having a dimensional difference from the inner shape of the side surface portion larger than a thickness of the film is used as the holding member.

13. The biological sample holding method according to any one of claims 9 to 12, wherein a holding member having a height equal to or less than a height of the side surface portion from the bottom surface portion is used as the holding member.

14. The biological sample holding method according to any one of claims 9 to 13, wherein a holding member having a handle portion protruding beyond the side surface portion in a state of being inserted inside the side surface portion is used as the holding member.

15. The biological sample holding method according to any one of claims 9 to 14, wherein a holding member where the bottom surface portion is formed of a light-transmitting material is used as the holding member.

16. The biological sample holding method according to any one of claims 9 to 15, wherein a reticulated film is used as the film.

17. The biological sample holding method according to any one of

claims 9 to 16, wherein a film larger in area than the bottom surface portion is used as the film.

18. The biological sample holding method according to any one of claims 9 to 17, wherein a film formed of a light-transmitting material is used as the film.