I/We Claim:

1. A vitrification straw (100, 202, 302) for storing reproductive biological material, the vitrification straw (100, 202, 302) comprising:

an elongated member (102, 208, 306) having a planar base and a triangular cross-section; and

a tip member (108, 208, 308) extending away from one end of the elongated member (102, 208, 306), at least a portion of the tip member (108, 208, 308) defines a cavity (108, 212) to receive the biological material; and

a planar handle (110, 210, 310) integrated with the elongated member (102, 208, 306) at an end opposite to the tip member (108, 208, 308), the planar handle (110, 210, 310) being perpendicular to the planar base of the elongated member (102, 208, 306).

2. The vitrification straw (100, 202, 302) as claimed in claim 1, wherein the planar handle (110, 210, 310) includes an edge coplanar to the planar base of the elongated member (102, 208, 306).

3. The vitrification straw (100, 202, 302) as claimed in claim 1, wherein at least a portion of the planar handle (110, 210, 310) is made of a metallic material.

4. The vitrification straw (100, 202, 302) as claimed in claim 1, wherein the planar handle (110, 210, 310) comprises a slot (112) for being attached to a metallic body.

5. The vitrification straw (100, 202, 302) as claimed in claim 1, wherein the triangular cross-section is an isosceles triangle.

6. The vitrification straw (100, 202, 302) as claimed in claim 1, wherein the triangular cross-section is an equilateral triangle.

7. The vitrification straw (100, 202, 302) as claimed in claim 1, wherein the tip member (108, 208, 308) is made from a flexible material.

8. A cryopreservation device (200, 300) for storing reproductive biological material, the cryopreservation device (200, 300) comprising:

a vitrification straw (202, 302) comprising:

an elongated member (208, 306) having a planar base and a triangular cross-section; and

a tip member (208, 308) extending away from one end of the elongated member (208, 306), at least a portion of the tip member (208, 308) defines a cavity (212) to receive the biological material;

a sheath (204, 304, 402) for being disposed over the tip member (208, 308) of the vitrification straw (202, 302); and

a planar handle (210, 310) integrated with the elongated member (208, 306) at an end opposite to the tip member (208, 308), the planar handle (210, 310) being perpendicular to the planar base of the elongated member (208, 306).

9. The cryopreservation device (200, 300) as claimed in claim 8, wherein the planar handle (210, 210) includes an edge coplanar to the planar base of the elongated member (208, 306).

10. The cryopreservation device (200, 300) as claimed in claim 8, wherein at least a portion of the planar handle (210, 310) is made of a metallic material.

11. The cryopreservation device (200, 300) as claimed in claim 8, wherein the planar handle (210, 310) comprises a slot for being attached to a metallic body.

12. The cryopreservation device (200, 300) as claimed in claim 8, wherein the triangular cross-section is an isosceles triangle.

13. The cryopreservation device (200, 300) as claimed in claim 8, wherein the triangular cross-section is an equilateral triangle.

14. The cryopreservation device (200, 300) as claimed in claim 8, wherein the sheath (204) includes at least one hole (212) to allow escaping of trapped air.

15. The cryopreservation device (200, 300) as claimed in claim 8, comprising a guiding member (312, 404) coupled to the sheath (304, 402) to securely hold the vitrification straw (202, 302).

16. The cryopreservation device (200, 300) as claimed in claim 15, wherein the guiding member (312, 404) is disposed adjacent to an open end (304a, 408~~402a~~) of the sheath (304, 402) for slidably receiving the elongated member (208, 306) along a length of the guiding member (312, 404), when the tip member (208, 308) is received by the sheath (304, 402).

17. The cryopreservation device (200, 300) as claimed in claim 15, wherein a closed end (304b) of the sheath (304) is pivotably coupled to the guiding member (312, 404) for lockably resting the elongated member (208, 306) on the guiding member (312, 404) when the tip member (208, 308) is received by the sheath (304), wherein the closed end (304b) of the sheath is opposite to an open end (304a).