Supplemental Figure S1: Preparation of the sperm freezing straw and canister. A) A sperm freezing straw was connected to a 1.0-mL syringe and loaded with 100 μL of HTF, 15 mm air, 10 μL sperm suspension and finally with another 15 mm air. Both sides of the straw were sealed with an impulse sealer (P-200 BU, Fuji Impulse Co., Japan). B) A freezing canister was made with a 50-mL syringe, acrylic bar (5 mm x 5 mm x 500 mm) and 30-mm thick cylindrical piece of styrofoam. Styrofoam was inserted into the bottom of the syringe and the mouth of the syringe tip was heat-sealed. The device was tightly fixed to the acrylic bar with wire.