Send sample (TE biopsy) to BION Genetic Laboratory

1. Cleaning the work area and do under hood with wearing gloves and mask (all skins should be covered to prevention any contamination)
2. Please consider one rack box for each person (sterilized)
3. Prepare sample tubes (Autoclaved tube) by preloading the tube with 1.5 - 2µl of 1X PBS (without ca and Mg) or BION buffer and transfer TE biopsy to each of them close the lid
4. Place barcode (BION Barcode) or/ and write details of each biopsy
5. Better to wash each biopsy samples through the 1x PBS (without ca and Mg) or BION buffer (3 times)
6. Place in tubes in the cool block or rack on the ice. Transfer each biopsy to one tube maximum volume not more than 2.5 µl. (Embryo number on the top and label)
7. Quickly centrifuge the tubes
8. Store and freeze tubes in rack box -20 c and after freezing completely call to BION and send sample in cooling box to BION.
9. Record all information in request form
10. NGS-based PGT-A has a high detection rate (98%) of chromosomal abnormalities. Preimplantation genetic testing (PGT-A) cannot identify all genetic abnormalities in a fetus. 69XXX not detected by this method.
11. Many limitations exist to preimplantation genetic testing and include challenges in detecting microdeletions and microduplications, de novo variants, and imprinting disorders.
12. An emerging problem has been detection of mosaicism during preimplantation genetic testing-aneuploidy.