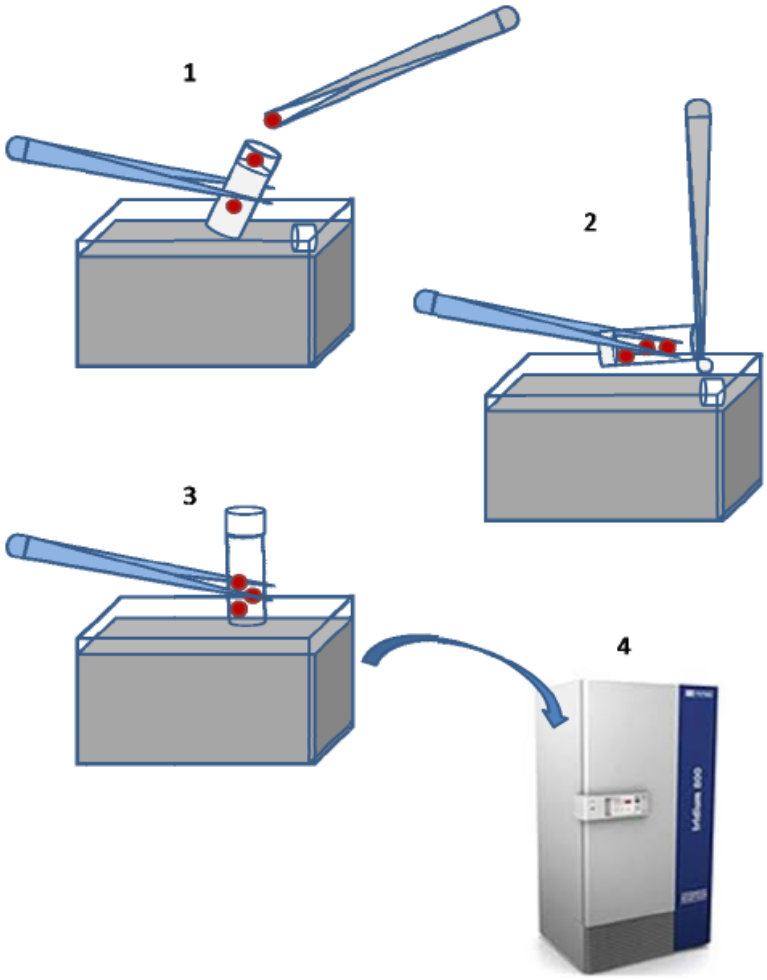
FREEZING OF TISSUES FOR DNA, RNA AND PROTEIN EXTRACTION

1. Collect the tissue samples in the shortest time to avoid RNA degradation.
2. Cut the tissues on a polystyrene box covered with aluminum paper (change the aluminum paper every time a different sample is cutted, even if you go from the healthy tissue to the tumor biopsy of the same patient).
3. Put some liquid nitrogen in a Dewar flask.
4. Take the cryogenic vials, open them and dip them separately in the liquid nitrogen.
5. Take a cryogenic vial form the liquid nitrogen using long anatomical forceps, fill it with some liquid nitrogen and put the previously cutted tissue samples in it (using different forceps), one by one, waiting few seconds every time a single sample is dipped into the vial (Figure 1).
6. Witht the help of the forceps used to put the cutted samples into the cryogenic vial, remove the excess of liquid nitrogen from each vial (Figure 2).
7. Close the cap and dip the cryogenic vial into the liquid nitrogen (Figure 3).
8. Store the vials at -80^{o} (Figure 4).



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