

DNA jewellery



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DNA (Deoxyribonucleic acid) is a molecule that carries our genetic instructions.

DNA extraction protocol

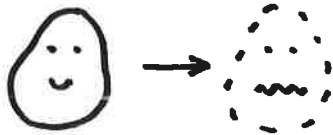
1. Spit in the shot glass. Try to collect cells from your cheeks.
6. Wait 1 min

The more the better!



2. Add a few drops of dishwashing liquid

This will help to break down the cell walls (membrane).



7. Add alcohol

Alcohol finishes DNA concentration process.



8. See a little white clot floating up - that's your DNA!



3. Add 5-6 drops of contact lens solution

We do this to degrade the proteins in the cells. Proteins are degraded by a protease enzyme, which can be found in the usual contact lens solutions (it is used to keep your lenses clean).



9. Take a pipette and carefully collect your DNA from the tube



4. Wait 5 min

We need to wait for the reaction to happen.



10. Take a smaller tube and move your DNA in there.

Add alcohol to make it float.



5. Add a pinch of salt

Salt is needed to precipitate (or, concentrate) DNA.

11. Add a funky LED and a leather lace!

Done!

