

Activity 5 : Strawberry DNA extraction

Have you ever wondered what DNA looks like? You are going to break apart the cell membrane of a strawberry and separate the DNA from the nucleus. Strawberries are a good source of DNA because they have 8 copies of each type of chromosome. This large number of chromosomes will filter out of your solution and you will get to actually see DNA.

1. Technique

- Watch a video about Strawberry DNA extraction (<https://sites.google.com/site/biotechnologylyceevalin/home/dna-extraction>)
- Draw the protocol
- Extract the DNA from strawberries

2. Results

- Where in the cell is the DNA found?
- Is DNA found in all living or once living cells?
- What does DNA look like?
- What was the purpose of mashing up the strawberry?
- What does the filter do?
- What happened when you added the filtrate to the alcohol?