

Edvotek Technical Tip # 7

Getting the best from Genes in a Tube

Genes in a Tube allows student to extract and visualise their own DNA! It is a fun activity that can be carried out quite simply but there are a couple of points to highlight to ensure the maximum amount of DNA is obtained.

The key things to ensure the most DNA possible are:

- 1 Get the students to use 2 cheek cell swabs and make sure their tube of cells is cloudy. The more cells they scrape the more DNA they will get so the tube should be cloudy and it never hurts to scrape for one minute per swab.
- 2 The alcohol used in the lesson should be as concentrated as possible (such as 95% ethanol). It should be kept in a freezer the night before the lesson and taken straight from the freezer during the lesson then packed on ice so it is as cold as possible.

Have fun and enjoy seeing your DNA for the first time!

For more information please contact

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