

# Edexcel Biology

## International A-level

### CP 02 - Vitamin C content of food and drink

#### Flashcards



# How is Vitamin C tested for?



## How is Vitamin C tested for?

By adding DCPIP solution. Vitamin C decolourises blue DCPIP solution.



Outline the procedure to find the vitamin C content of different fruit juices.



## Outline the procedure to find the vitamin C content of different fruit juices.

1. Add Vitamin C solution dropwise to 1 cm<sup>3</sup> of DCPIP solution. Measure the volume of Vitamin C taken to decolourise it.
2. Repeat step 1 twice more and find the mean volume of vitamin C taken.
3. Repeat steps 1-2 for each of the fruit juices tested.



How is the Vitamin C content of the unknown fruit juices calculated?



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Concentration =

Concentration of Vitamin C solution x

Mean volume of 1% Vitamin C solution / Mean  
volume of fruit juice



What are some sources of error in this practical?





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The colour change at the end-point may be difficult to determine, especially if the fruit juices tested are coloured.

