

Non – living component

Lab;15

Stape to making starch grain

To look at the starch grains stored in a potato tuber:

1. Take a small section of potato tissue and cut a very thin slice onto a white tile.
2. Take approximately 1 cm² of thinnest tissue and place it on a microscope slide.
3. Add one or two drops of iodine solution.
4. Place a cover slip over the potato tissue.
5. Examine it under the microscope.

You may see that some of the starch grains are very large and some quite small. The starch grains in the chloroplasts in the figure on the previous page are very small but remember the potato tuber is the main storage organ so we might expect large grains to build up here

