

MICROSCALE BIOLOGY

Microscale assays to support learning and teaching across the Biology curriculum in Scotland.

Activity

**1**

Microscale Catalase

Investigating the effect of hydrogen peroxide concentration on catalase activity.

2

Microscale Dopa Oxidase

Investigating the effect of inhibitors on a biological reaction.

**3**

Microscale Titration

Investigating the relative vitamin C content of different fruit juices.

**4**

Microscale Amylase

Investigating the effect of enzyme concentration on amylase activity.

Activity

5

Microscale Fermentation

Investigating the effect of enzyme concentration on amylase activity.

6

Microscale Standard Curve - Glucose concentration

Investigating the concentration of glucose in solutions.

7

Microscale Phosphorylase

Investigating phosphorylase activity - a synthesis reaction on a microscale.

8

Microscale Immunoassay

This microscale activity could be used to simulate various immunoassays, including a pregnancy test.