

9. An experiment was carried out into the effect of the concentration of an enzyme inhibitor on the rate of respiration in yeast.

Five flasks containing yeast, glucose and different concentrations of inhibitor were set up. The CO₂ concentration was measured using a probe.

The results are shown in the table.

Inhibitor concentration (%)	CO ₂ concentration (%)
5	0.12
10	0.09
15	0.07
20	0.04

The reliability of these results could be improved by

- A including a control flask with no inhibitor
- B carrying out the experiment three times at each inhibitor concentration
- C using a wider range of concentrations of inhibitor
- D using the same volumes of glucose and yeast in each flask.