

WJEC Wales Biology

GCSE

SP2.6 - Testing Urine Samples

Flashcards

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What might the presence of glucose in urine indicate?



What might the presence of glucose in urine indicate?

Diabetes.



What might the presence of proteins in urine indicate?



What might the presence of proteins in urine indicate?

Kidney disease or damage.



Which reagent is used to test for glucose?



Which reagent is used to test for glucose?

Benedict's solution.



Outline the procedure to test for glucose.



Outline the procedure to test for glucose.

Add equal volumes of Benedict's reagent and the urine sample to a boiling tube and heat in a hot water bath.

If a red precipitate is formed, glucose is present.



Which reagent is used to test for protein?



Which reagent is used to test for protein?

Biuret's reagent.



Outline the procedure to test for protein.



Outline the procedure to test for protein.

Add 2 cm³ of Biuret's reagent to the urine sample and shake.

If the colour changes from blue to purple, protein is present.



State the hazards and safety precautions involved in this practical.



State the hazards and safety precautions involved in this practical.

Wear gloves and safety goggles.

Take care when handling the hot water bath for Benedict's solution.

