

Theoretical report from practicals

Oxidoreductases - dehydrogenases (succinate dehydrogenase)

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Date of practical:

Group:

Student 1:

Date of report:

Student 2:

Student 3:

Question 1

A representative of which of the known enzyme classes is succinate dehydrogenase. Write a reaction involving this enzyme. Include the names of substrates, products, coenzymes.

Question 2

What important role does succinate dehydrogenase play in a living body?

Question 3

Describe the phenomenon of competitive inhibition. Give examples of this type of braking.

Question 4

From what biological material we isolated succinate dehydrogenase?

Question 5

What role did dichlorophenolindophenole play in the experiments performed?

Question 6

What role did cyanide play in the experiments performed?

Question 7

Which of the test tubes marked 1-6 did not discolor in the experiment? Explain why.

Question 8

In which tube did the slowest discoloration occur? Explain why.