

Lab 9: Carbohydrate Biochemistry

1. Results of the Iodine test:

Test Tube # Color Is starch present?

- 1
- 2
- 3
- 4
- 5

2. results of the Benedict's test:

Test Tube # Color Are reducing sugars present?

- 1
- 2
- 3
- 4
- 5

3. Why does a positive Benedict's test first turn green and then orange?

4. You added starch to EACH test tube. Which test tubes tested negative for the presence of starch after incubation? Why?

5. Which test tubes still contained starch? Why?

6. In the test tubes that were negative for starch, what product was formed?

7. Which tube acted as a control?

8. Why was it important to incubate the samples at 37°C?