

North South University

Dept. of Biochemistry & Microbiology

Course code: BIO103L

LAB REPORT 3 (Exp 5)

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DATE & TIME: 21.12.2023
NAME OF THE INSTRUCTOR: THn
SIGNATURE:
REPORT SUBMISSION DATE (Assigned by the Instructor): 21.12.2023



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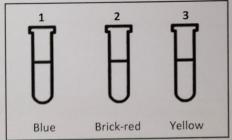
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1. Based on your observation, record the results in the following table

(2.5)

No.	Food product (Test sample)	Description of any change(s) before heating	Description of any change(s) after heating	Are there simple sugars present?
1.	Control (Distilled water)	mixing the bendicts Reagent, we observed that solution colonis light blue	There is no charge after heating for 10 minutes. It remains light blue color	No
2.	Apple Juice	mining the bendicts neagent, we observed that, the solution colon is blue.	It continuously change the colon from blue to green, yellow, on one and finally brick ned	Yes

Observe the following diagram and detect which test tube has the highest concentrations
of reducing sugar and which one has no reducing sugar. Explain your choice in one or two
sentences.



=> Brick-red (2) has the highest concentration

In hot attite alkaline solution, neducing sugers neduce the blue copper (II) ions to brick ned copper (I) unide precipitate.

In test tube 01, its blue colon, which means there is no neducing sugar.

In test tube 02, its Brick-ned robn, which means there is >2gq. reducing sugar.

In test tube 02, its Brick-ned robn, which means there is 1-15gt. reducing sugar.

In test tube 03, it yellow colon, which means there is 1-15gt. reducing sugar.

Therefore, test tube 02 has the highest concentration.