

Practical BCH 202

Experiments

1- General laboratory guidelines.

2- Buffer solution (Preparation of phosphate buffer, Measuring pH).

3- Carbohydrates (1) (Molise's test, Benedict test, Barfoed's test, Bial's test, Seliwanoff's test).

4- Carbohydrates (2) (Sucrose hydrolysis test, The Iodine/Potassium Iodide test, Starch hydrolysis test).

- First exam

5- Quantitative estimation of glucose by enzymatic method (Glucose oxidase method, Glucose dehydrogenase method, Hexokinase method).

6- Lipid (1) (Saponification test, Separation of soap by salting out, Formation free fatty acids from soap, Formation insoluble soap).

7- Lipid (2) (Unsaturation test, Copper acetate test, Liebermann-Burchard test, Acrolein test).

8- Spectral characterization of DNA (Determine the optimum wave length for DNA, effect of temperature on DNA absorbance, Determine the concentration of DNA in the sample).

- Second exam

Marks distribution

Reports = 10 %

Performance & discipline = 5 %

Exam = 15 %

Total = 30 %

Mr. Ahmed Alzahrani

Ahjalzahrani@ksu.edu.sa