

BCH 322

Name of group student:

Second Semester 1433-1434

1-

LAB 2: *Some factors affecting polyphenol*

2-

*oxidase activity*

3-

a) **Enzymatic Activity:**

Incubation Time (minutes)	Colour Intensity (-, +, ++ or +++)		
	Tube A	Tube B	Tube C
0			
5			
10			
15			
20			
25			

b) **Chemical Nature of Polyphenol Oxidase:**

Tube	Treatment	Color Intensity (-, +, ++ or +++)
A	Control	
B	Trypsin	
C	TCA	
D	Phenylthiourea	

c) **Substrate Specificity:**

Substrate	Color Intensity (-, +, ++ or +++)	
	5 minutes	10 minutes
Catechol		
Phenol		
Hydroquinone		

d) **Temperature and Enzymatic Activity:**

Temperature (°C)	Color Intensity (-, +, ++ or +++)
0	
37	
70	