

Protocol - Laboratory 6
BIOLOGICAL OXIDATION

Student name:.....

group:.....

Date:.....

Detection of cytochrome oxidase activity:

The principle of method:

.....

.....

.....

.....

Test tube number	Results	Conclusions
1		
2		
3		
4		

Determination of catalase activity in the selected material:

The principle of method:

.....

.....

.....

.....

Test tube number	Results	Conclusions
1		
2		
3		

Detection of peroxidase in a potato:

Test name	The principle of reaction	Results and Conclusions
Phenol test		
Benzidine test		

Determination of ceruloplasmin activity by the Ravin method

Principle of method:

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$A_{\text{test sample}} = \dots\dots\dots$ $\lambda = \dots\dots\dots$

Calculations:

.....
 Activity ceruloplasmin =

Conclusions:

.....

Fill the tables:

Abbreviation	Full name	Catalized reaction
SOD		
CAT		
GPx		
GR		

Reactive form of oxygen or nitrogen	Full name
	Superoxide anion radical
H ₂ O ₂	
	Singlet oxygen
O ₃	
	Hydroxyl radical
NO	

Signature of tutor:.....