

Protocol - Laboratory 5

LIPID PROFILE

Student name:.....

group:.....

Date:.....

Determination of serum triacylglycerols concentration (diagnostic kit):

The principle of method:

.....
.....

$A_{\text{sample}} =$

$\lambda =$

Calculations:

.....
.....

$C_{\text{TG}} =$

Reference values:

Conclusions:

.....
.....
.....

Determination of total serum cholesterol (diagnostic kit):

The principle of method:

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.....

$A_{\text{sample}} =$

$\lambda =$

Calculations:

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.....

$C_{\text{TC}} =$

Reference values:

Conclusions:

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.....

Determination of HDL cholesterol concentration in the blood serum (diagnostic kit):

The principle of the method of obtaining HDL fraction from blood serum:

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A_{sample} =

λ =

Calculations:

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.....

C_{HDL} =

Reference values:

Conclusions:

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.....

Calculation of serum LDL cholesterol level:

Restrictions on the use of Friedewald's formula for the calculation of LDL cholesterol:

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Calculations:

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.....

C_{LDL} =

Reference values:

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.....
.....

Conclusions:

For patients at low and moderate risk:

For high-risk patients:

For patients at very high risk:

	Principle of reaction	Results/Conclusions
Detection of choline in phospholipids		
Detection of phosphate in phospholipids		

Signature of tutor:.....