Lactate dehydrogenase estimation in serum

Method:

	Tube
Sample (serum)	10 µl
BUF (buffer/substrate)	1000 µl
Mix and incubate **at 37ºC for 1-5 minutes**	
SUB (substrate)	250 µl
Mix, read the absorbance after **1 minute** and at the same time start the stop watch. Read the absorbance again exactly after **1, 2 and 3 minutes**	

Results:

	Time (min)	Absorbance at 340 nm
A_1	**1**	
A_2	**2**	
A_3	**3**	
A_4	**4**	

Calculations:

- $\Delta A_1, = A_1 - A_2 =$ _____
- $\Delta A_2 = A_2 - A_3 =$ _____
- $\Delta A_3 = A_3 - A_4 =$ _____

- $\Delta A/min = (\Delta A_1 + \Delta A_2 + \Delta A_3) / 3$

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- LDH(U/L) = ΔA x 20000 = _____

Normal Values 225 to 450 U/L Adults