Week 3, Assignment 3

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Due on 2018-09-19, 23:59 IST.

1) Based on Figure shown below, what is the approximate amount of ligand immobilized?

8000 RU
9000 RU
10000 RU
11000 RU

No, the answer is incorrect.
Score: 0
Accepted Answers:
10000 RU

2) Based on Figure shown below, the EDC/NHS activation takes place between which time points?

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3) Based on Figure shown below, the binding of the ligand to the chip takes place between which time points?

- 200 to 800 seconds
- 800 to 1300 seconds
- 800 to 1900 seconds
- 1300 to 1900 seconds

No, the answer is incorrect.

Score: 0

Accepted Answers:
200 to 800 seconds
4) Based on the same Figure shown below, the Ethanolamine deactivation takes place between which time points?

- 800 to 1300 seconds
- 800 to 1900 seconds
- 1300 to 1900 seconds

No, the answer is incorrect.
Score: 0
Accepted Answers:
800 to 1300 seconds

5) Based on Figure shown below, which curve has the fastest association rate constant?

- Curve A
- Curve B
- Curve C
- Curve D

No, the answer is incorrect.
Score: 0
Accepted Answers:
1300 to 1900 seconds
6) Based on Figure shown below, which curve has the fastest dissociation rate constant? 

- Curve A
- Curve B
- Cannot determine without the analyte concentration
- Cannot determine without the Rmax of the system

No, the answer is incorrect.
Score: 0
Accepted Answers:
Cannot determine without the analyte concentration

7) Based on Figure shown below, what should be optimized in the assay? 

- Extend the association time
- Extend the dissociation time
- Use higher concentrations of the analyte
- Use lower concentrations of the analyte

No, the answer is incorrect.
Score: 0
Accepted Answers:
Extend the dissociation time

8) Based on Figure shown below, the association phase takes place between which time points? 

- 0 to 200 seconds
- 200 to 400 seconds
- 400 to 600 seconds
- 600 to 800 seconds

No, the answer is incorrect.
Score: 0
9) Based on Figure shown below, the dissociation phase takes place between which time points?

- 30 to 210 seconds
- 210 to 280 seconds
- 210 to 400 seconds
- 280 to 325 seconds

No, the answer is incorrect.

Score: 0

Accepted Answers:
30 to 210 seconds

1 point
10. Based on the figure shown below, the regeneration phase takes place between which time points?

- 30 to 210 seconds
- 210 to 280 seconds
- 210 to 400 seconds
- 280 to 325 seconds

No, the answer is incorrect.
Score: 0
Accepted Answers:
280 to 325 seconds