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Courses » Interactomics

Announcements

Course

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Unit 4 - Week 3

Course outline

How to access the portal ?

Week 1

Week 2

Week 3

- Lecture 11 - Protein-small molecule interaction study: Kinetic analysis
- Lecture 12 - SPR: Interactive Session - I
- Lecture 13 - SPR: Interactive Session - II
- Lecture 14 - An overview of ellipsometry and interferometry techniques
- Lecture 15 - An introduction to BioLayer Interferometry (BLI) and its applications in protein research
- Download Videos
- Weekly Feedback
- Quiz : Week 3, Assignment 3
- Week 3 Assignment 3 solutions

Week 4

Week 5

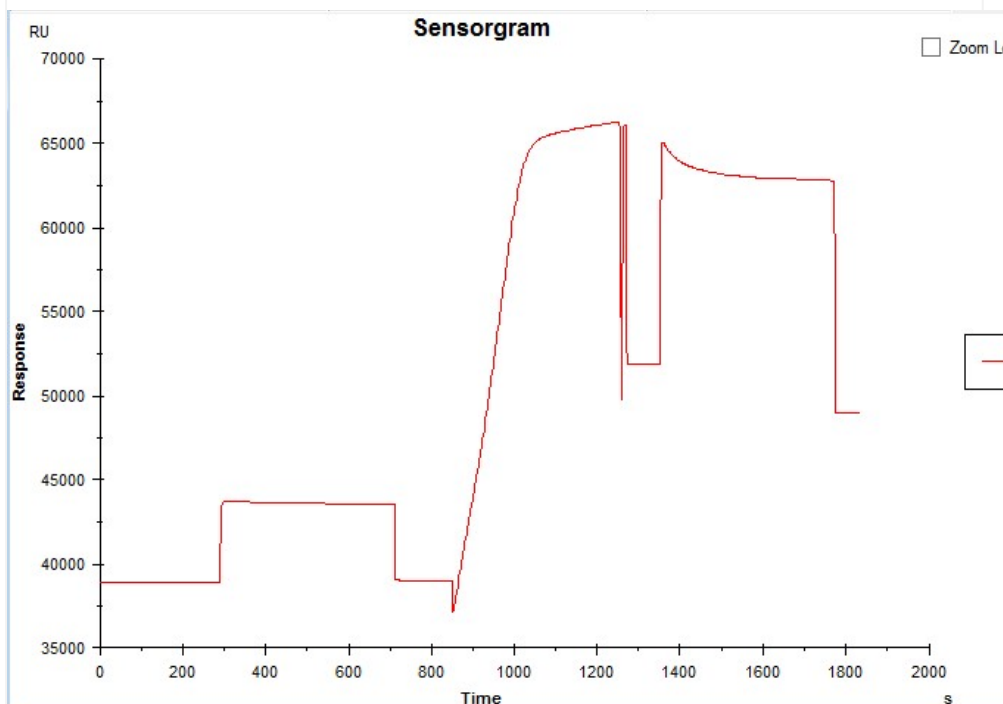
Week 6

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? **1 point**



- 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? **1 point**

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A project of



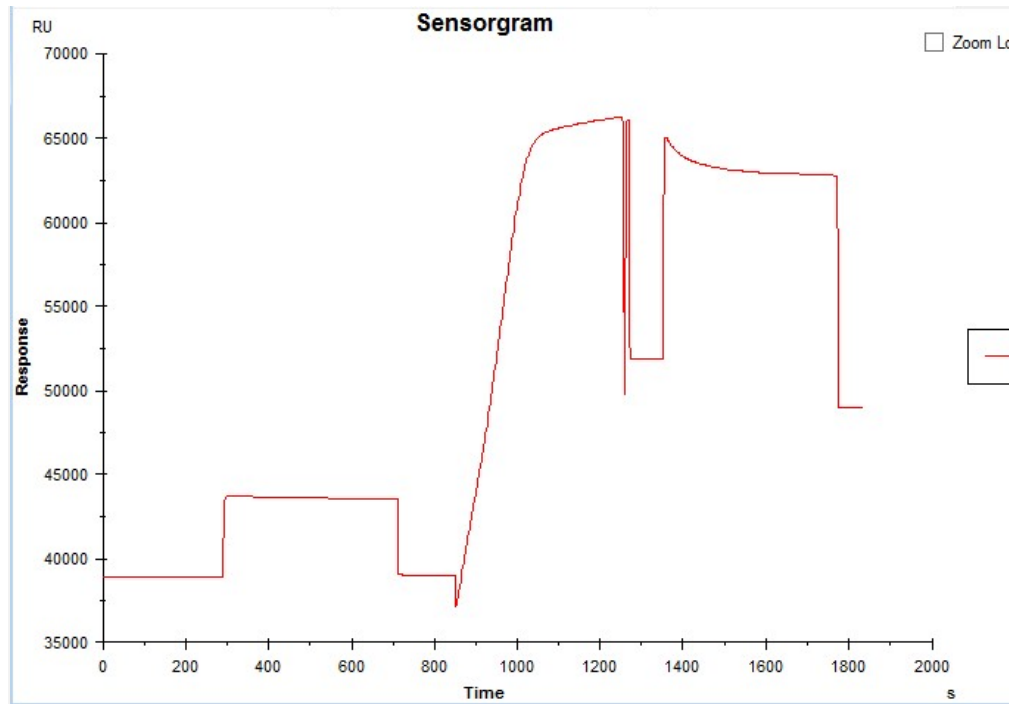
In association with



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

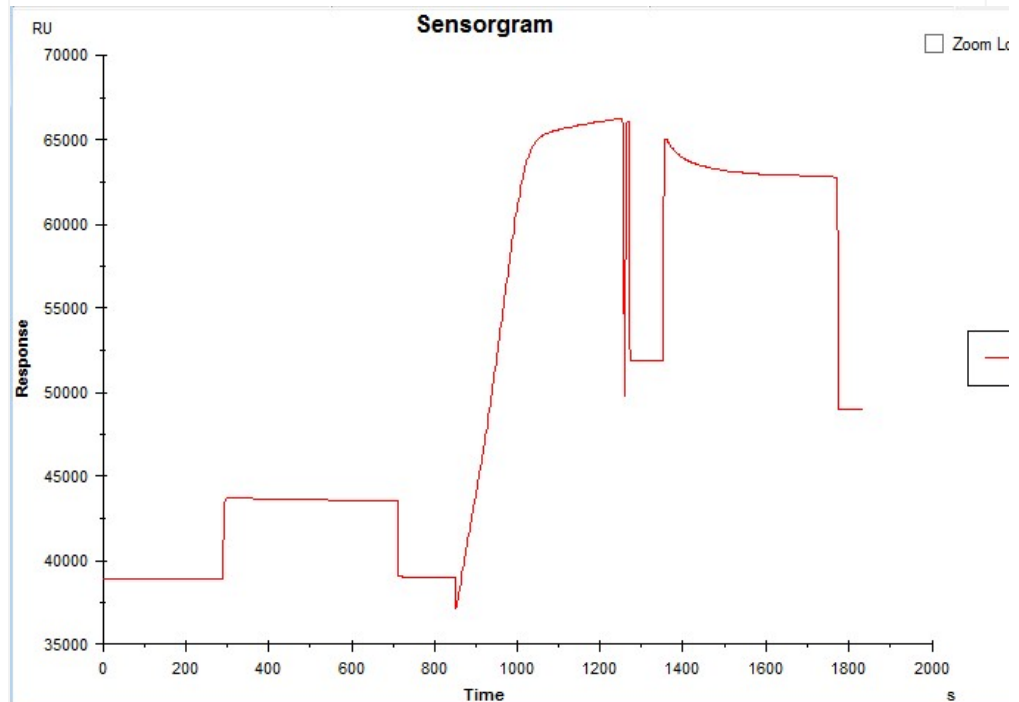
No, the answer is incorrect.

Score: 0

Accepted Answers:

200 to 800 seconds

3) Based on Figure shown below , the binding of the ligand to the chip takes place between which time points? **1 point**



- 200 to 800 seconds

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

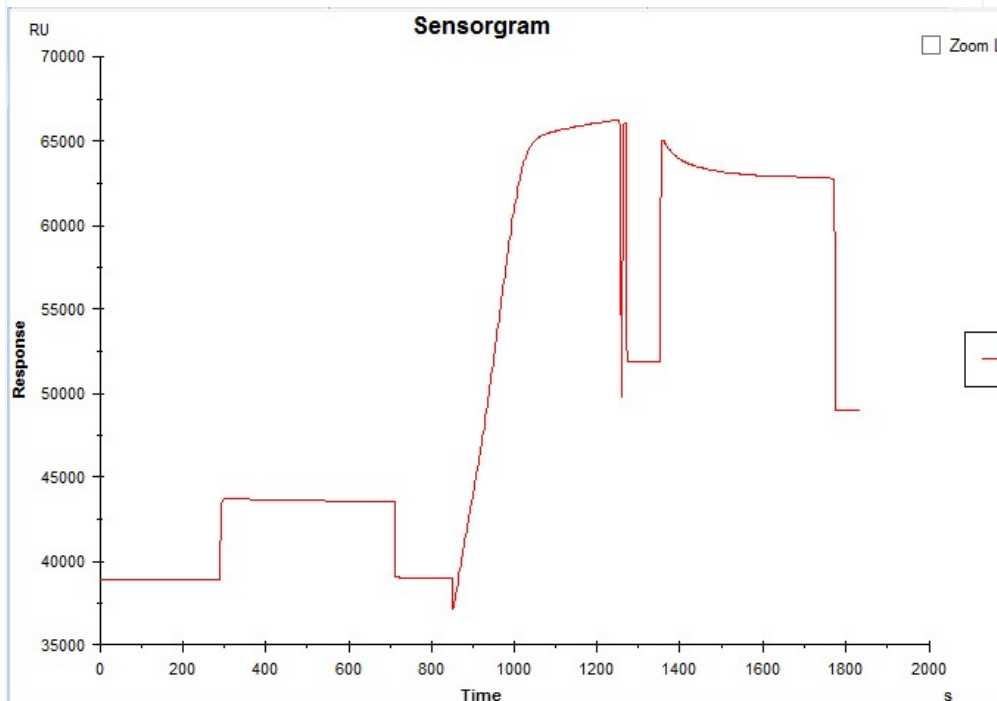
No, the answer is incorrect.

Score: 0

Accepted Answers:

800 to 1300 seconds

4) Based on same Figure shown below, the Ethanolamine deactivation takes place between which time points? **1 point**



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

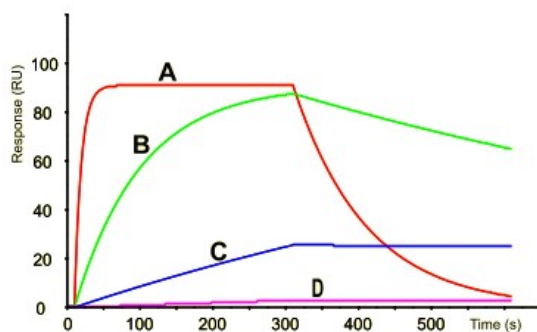
No, the answer is incorrect.

Score: 0

Accepted Answers:

1300 to 1900 seconds

5) Based on Figure shown below, which curve has the fastest association rate constant? **1 point**



- Curve A

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

No, the answer is incorrect.

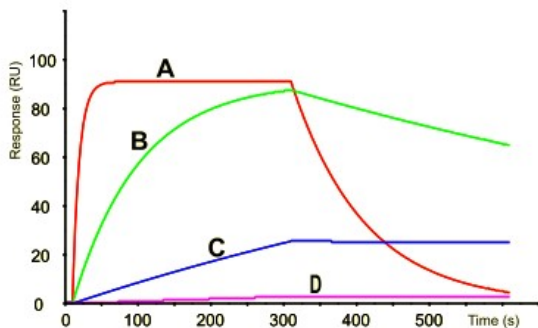
Score: 0

Accepted Answers:

Cannot determine without the analyte concentration

6) Based on Figure shown below, which curve has the fastest dissociation rate constant?

1 point



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

No, the answer is incorrect.

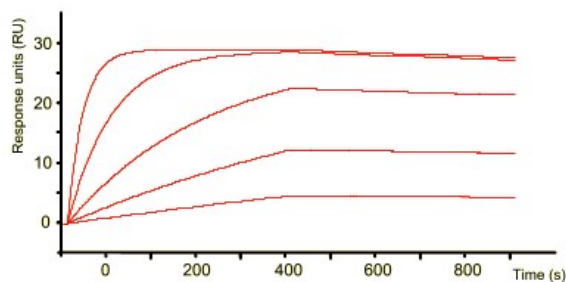
Score: 0

Accepted Answers:

Curve A

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

1 point



- 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.

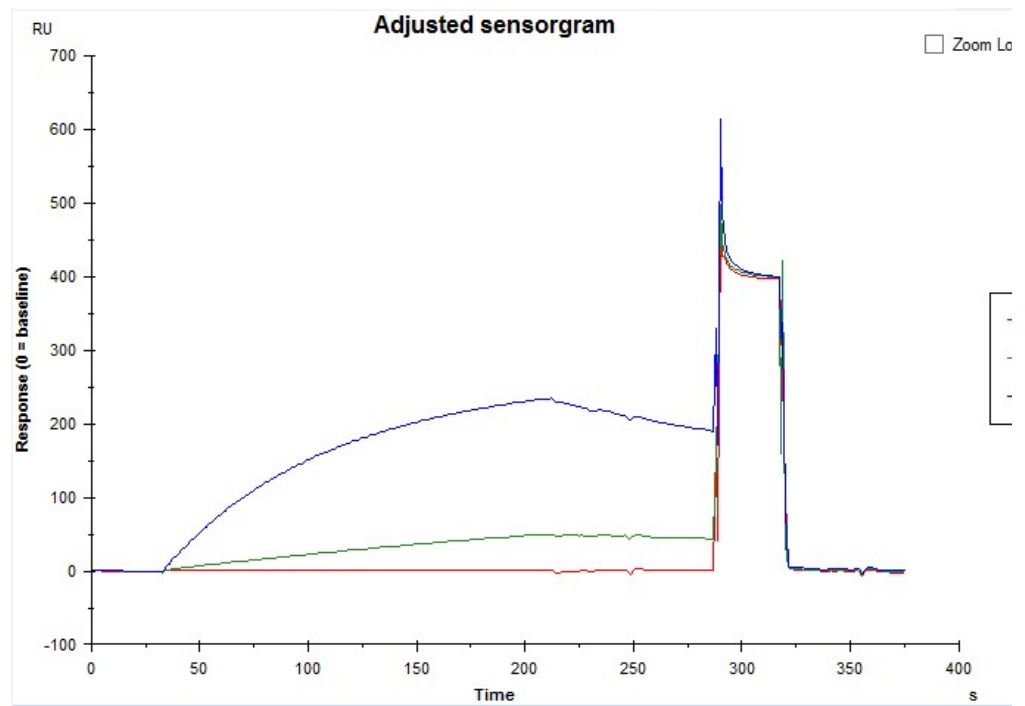
Score: 0

Accepted Answers:

Extend the dissociation time

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

1 point



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

No, the answer is incorrect.

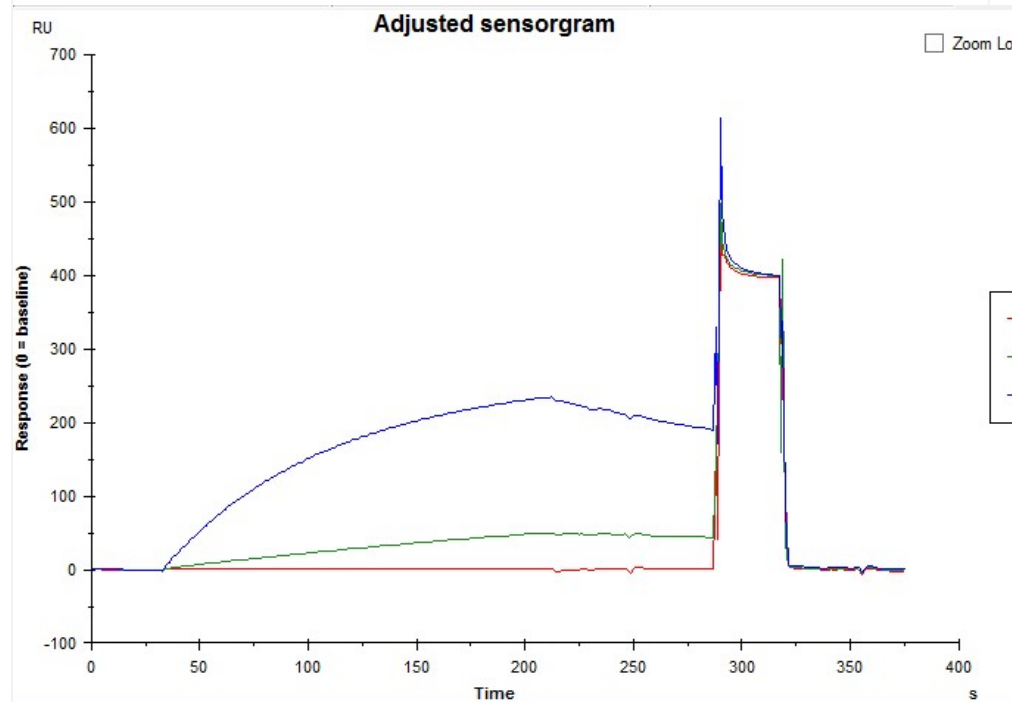
Score: 0

Accepted Answers:

30 to 210 seconds

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

1 point



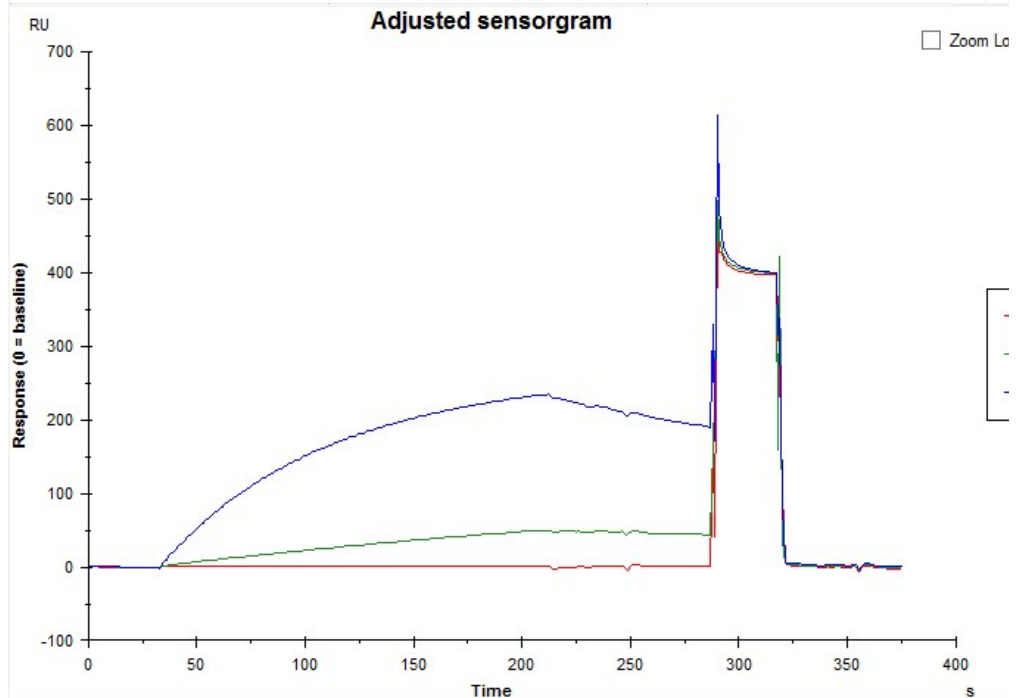
- 30 to 210 seconds
- 210 to 280 seconds

- 210 to 400 seconds
- 280 to 325 seconds

No, the answer is incorrect.
Score: 0

Accepted Answers:
210 to 280 seconds

10) Based on same Figure shown below, the regeneration phase takes place between which time points? **1 point**



- 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

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