

## ***Biacore T200 Training Checklist***

Certification Date:

Training Date:

Name:

Lab PI:

Affiliation:

Position:

Phone:

E-mail:

**Ligand** (molecule immobilized on the chip):

Protein     Antibody     DNA     sugar     others \_\_\_\_\_

**Analyte** (molecule in free solution):

Protein     Antibody     DNA     sugar     others \_\_\_\_\_

**Capture:**

Protein     Antibody     DNA     sugar     others \_\_\_\_\_

**Running buffer:**

**Regeneration buffer:**

**Chip:**

CM5     SA     NTA     others \_\_\_\_\_

**How do you know about the interaction?**

ITC     co-IP     Enzyme Assay     Modeling      $\alpha$  screen     Yeast     others \_\_\_\_\_

**Estimate of  $K_A$**  \_\_\_\_\_

**Reference articles:**

**Training checklist:**

- I have read "Biacore T200 User's Guideline" and will follow the rules therein.
- M102(E) lectures
- M102(E) hands-on course
- Biacore T200 Getting started and Biacore T200 Start up/Shut down Protocol
- Online learning course: "Get started with Biacore SPR assay"
- Chemical resistance and recommended solutions
- BIAsimulation (Biacore Simul8).
- Reservation procedure
- Biacore T200 start up and shut down process.
- Biacore T200 control software: insert and eject chips, eject and load sample rack, prime, flow rate control, flow cell control, manual inject, regeneration inject, report points
- Wizards, Methods, Manual run.
- Immobilization (coupling) wizards, sensor surface.
- Desorb and shutdown wizards.
- Explain resonance units (RU)
- Data analysis – Biacore T200 Evaluation software.
- Data process: Fitting parameters:  $R_I$ ,  $R_{max}$ ,  $k_a(k_{on})$ ,  $k_d(k_{off})$ ,  $K_A$ ,  $K_D$ ,  $\chi^2$ , U
- Data file path and data back up  
Folder C:/Bia Users/ \_\_\_\_\_
- Manager signature:
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I certify that I have received the training sections specified in the training checklist above. My signature also confirms that I have read and understand the materials given prior to the experiments, including "Biacore T200 user's guideline", "Biacore T200 start up/shut down Protocol", "Biacore T200 getting started" and "Chemical resistance and recommended solutions".

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Chris Jao