

## Monolith NT.115<sup>Pico</sup> Training Checklist

Date of Training Course:

Self-certification

Date of Operator Certification Test:

Name:

Lab PI:

Affiliation:

Position:

Phone:

E-mail:

### Fluorescently labeled molecule (Fluo):

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

### Non-fluorescent molecule (titrant):

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

### Binding buffer:

### How do you know about the interactions?

ITC     SPR     BLI     Enzyme Assay     Modeling      $\alpha$  screen     Yeast     others \_\_\_\_\_

Estimate of  $K_D$  \_\_\_\_\_

### Reference articles:

### Training checklist:

- I have read "儀器中心 Monolith NT.115<sup>Pico</sup> 使用規則" and will follow the rules therein.
- M115 lectures
- M115 hands-on course
- Monolith NT.115<sup>Pico</sup> User Manual and Quick Starting Guide
- Application notes and documents downloads ("http://www.nanotemper-technologies.com/download/")
- Reservation procedure
- Labeling procedures.
- Desalting procedures.
- Monolith NT.115<sup>Pico</sup> control software, MO.Control.
- Preset, Binding check, Binding affinity and Expert mode.
- Sample preparation and serial dilution procedures.
- Simulation tools: Concentration Finder.
- Data analysis – MO.Affinity:  $K_d$  fit and Hill method
- Data file path and data back up

Folder C:/Data/\_\_\_\_\_

Manager signature:

I certify that I have received the training sections specified in the training checklist above.

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

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