

Biacore™ Systems Training Course-Basic

Course Description:

Biacore system operation training course is intended for new users. This one-day basic course includes lecture overviews on the SPR principles and applications, Biacore experimental design and optimization, sensorgram analysis and interpretations. During hands-on session, participants will conduct antibody-antigen protein pair binding experiment on a CM5 sensor chip. The binding experiment will include ligand immobilization, analyte binding, surface regeneration, and data collection, analysis and interpretation.

Max Participants per course: 10 persons (hands-on session)

One-day Agenda

Time	Place	Content
10:00 ~ 10:50	Classroom	Biacore Basics • LFIA introduction • SPR Principles and applications • What is Kinetics and Affinity
11:00 ~ 12:00	Classroom	Experimental Design and Maintenance • Biacore workflow • Considerations and preparations for best results • Instrument maintenance routines
13:30 ~17:30	Lab	Hands-on Training • Instrument startup • Ligand immobilization (by amine coupling) • Binding assay • Data analysis: Sensorgram interpretations • Desorb process • Instrument shut down procedures
17:30 ~ 18:00	Classroom	Discussion and Closing • Course evaluation • Q&A Discussion and closing

Reagents and Chip Requirements for Hands-on Session:

1. BR-1003-99 Sensor Chip CM5, pack of 1
2. BR-1005-50 Getting Started Biacore 3000
3. BR-1000-50 Amine Coupling Kit
4. BR-1006-66 BIAMaintenance kit