Advanced Kinetics

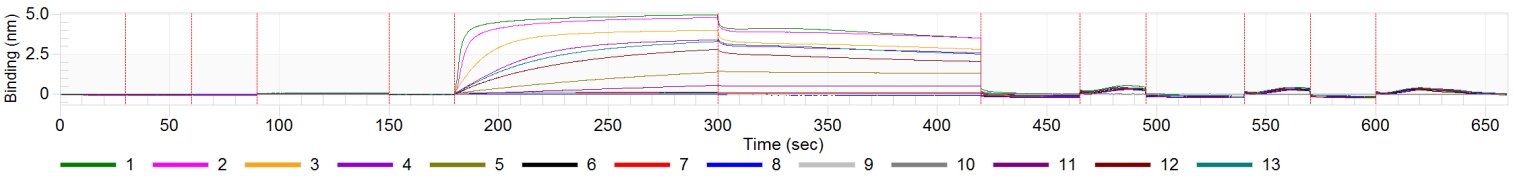
Experiment: CHIP-TPR biotin-Hsp70 with Regeneration
Description: CHIP-TPR with biotin-GSGSGPTIEEVD with 500mM Phosphoric Acid regeneration
Date: Wednesday, October 08, 2014
Time: 9:30:44 AM

BLItz Pro version: 1.1.0.31
Instrument Serial #: FB-60285
Firmware: 1.1.0.7

Run Settings

	Step Type	Duration (s)	Position
1	Initial Baseline	30	Tube
2	Baseline	30	Tube
3	Baseline	30	Tube
4	Loading	60	Drop
5	Baseline	30	Tube
6	Association	120	Drop
7	Dissociation	120	Tube
8	Custom	45	Tube
9	Custom	30	Tube
10	Custom	45	Tube
11	Custom	30	Tube
12	Custom	30	Tube
13	Custom	60	Tube

Run Data

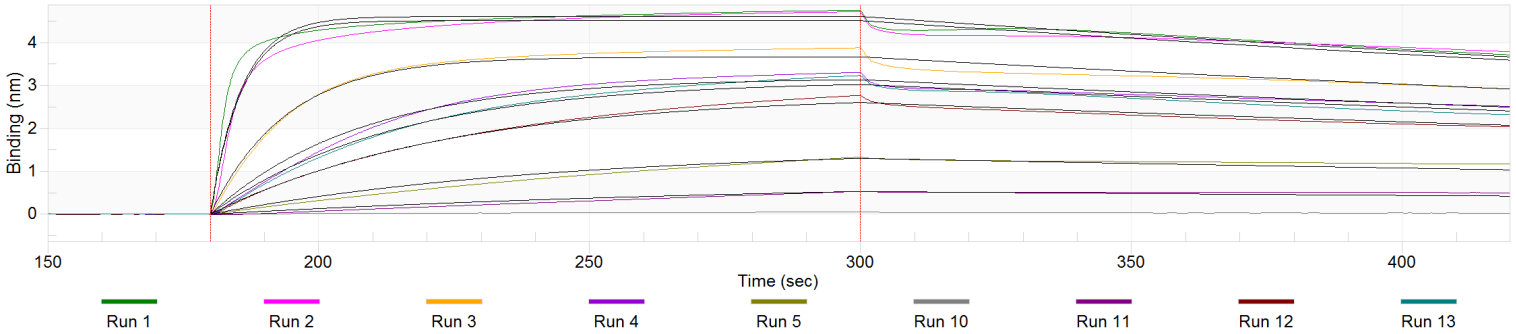


Run List

Index	Show	Analyze	Ref.	Sample ID	Conc. (µM)	Run time (s)	Shaker speed (rpm)	Integration (ms)	Biosensor Type	Information	Status
1	1	1	0	RegenTest2	50	660	2200	1.7	SA		
2	1	1	0	RegenTest2	50	660	2200	1.7	SA		
3	1	1	0	RegenTest2	20	660	2200	1.7	SA		
4	1	1	0	RegenTest2	10	660	2200	1.7	SA		
5	1	1	0	RegenTest2	4	660	2200	1.7	SA		
6	1	0	0	RegenTest2	1	660	2200	1.7	SA		
7	1	0	0	RegenTest2	0.5000	660	2200	1.7	SA		
8	1	0	0	RegenTest2	0.1000	660	2200	1.7	SA		
9	1	0	0	RegenTest2	0	660	2200	1.7	SA		Saturated response
10	1	1	0	RegenTest2	0	660	2200	1.7	SA		
11	1	1	0	RegenTest2	2	660	2200	1.7	SA		
12	1	1	0	RegenTest2	6	660	2200	1.7	SA		
13	1	1	0	RegenTest2	8	660	2200	1.7	SA		

Analysis Parameters
Global fitting (1:1)
Step correction: Start of association, Start of dissociation

Analysis Data



Index	Sample ID	Conc. (µM)	Information	KD (M)	ka (1/Ms)	ka Error	kd (1/s)	kd Error	Rmax	Rmax Error	R equilibrium
1	RegenTest2	50		5.525e-7	3.452e3	9.947e1	1.907e-3	1.048e-4	4.658	0.02295	4.608
2	RegenTest2	50		5.525e-7	3.452e3	9.947e1	1.907e-3	1.048e-4	4.561	0.02283	4.511
3	RegenTest2	20		5.525e-7	3.452e3	9.947e1	1.907e-3	1.048e-4	3.768	0.02935	3.667
4	RegenTest2	10		5.525e-7	3.452e3	9.947e1	1.907e-3	1.048e-4	3.35	0.05542	3.175
5	RegenTest2	4		5.525e-7	3.452e3	9.947e1	1.907e-3	1.048e-4	1.747	0.06395	1.535
6	RegenTest2	1									
7	RegenTest2	0.5000									
8	RegenTest2	0.1000									
9	RegenTest2	0									
10	RegenTest2	0									
11	RegenTest2	2		5.525e-7	3.452e3	9.947e1	1.907e-3	1.048e-4	1.039	0.05696	0.8143
12	RegenTest2	6		5.525e-7	3.452e3	9.947e1	1.907e-3	1.048e-4	3.046	0.1023	2.789
13	RegenTest2	8		5.525e-7	3.452e3	9.947e1	1.907e-3	1.048e-4	3.328	0.07747	3.113