		(triplicates)	Cell # ($x10^6$/ml)	Luciferase Assay	note
-	SM		2.0	0.035*	(-) control
-	PL1		2.0	3636*	(+) control
BTX (old) with cytomix	undiluted	1	2.3**	0.993	All undiluted had debris.
		2	2.8**	0.740	
		3	3.5**	2.211	
	1:10 dilution	1	0.4[Red]	0.180	
		2	0.4	0.114	
		3	0.4[Red]	0.509	
BTX (old) with T cell buffer	undiluted	1	3.9**	4.415	All undiluted had debris.
		2	3.6**	5.586	
		3	3.4**	4.706	
	1:10 dilution	1	0.4	1.188	
		2	0.4	1.403	
		3	0.5	1.250	
AMAXA (new) with cytomix	undiluted	1	3.2**	14.43	All undiluted had debris.
		2	3.5**	12.98	
		3	4.0**	10.72	
	1:10 dilution	1	0.4	3.144	
		2	0.4	3.323	
		3	0.5	2.700	
AMAXA (new) with T cell buffer	undiluted	1	5.0**	57.09	All undiluted had debris.
		2	5.2**	60.13	
		3	5.2**	27.77	
	1:10 dilution	1	0.8	29.74	
		2	0.8	32.49	
		3	1.0	40.72	

- * $4x10^5$ cells
- Numbers noted by ** may be indicating the saturation of the culture. Therefore, the activity of luciferase assay here may be lower than what it should be.
- [Red] Red media

Method (abridged)

- Transient transfection was performed by Nicolai Siegel. (Nicolai please provide the information if someone requests.)
- Roughly 22 hours after the transfection, 9 ml of cultures were centrifuged.
- The pellets were suspended in 700 µl TDB and transferred into eppendorf tubes. The tubes were centrifuged.
- After the removal of the supernatant, each pellet was lysed in 40 µl of lysis buffer.
- 10 µl of lysate was mixed with 50 µl of the luciferase substrate. The activity was measured.

Note

The volume of culture used was increased from the last time.