

Supplementary data S1

Self-Seeding Microwell Chip for the Isolation and Characterization of Single cells.

Results Live cell punching:

		0 h Live cells (FDA+)	3h Live Cells (FDA+)	24 h Live cells (FDA +/PI-)	24 h dead/dying cells (FDA weak+/PI+)	24 h Apoptotic cells (FDA weak+/PI+)	24 h Dead cells (FDA -/PI+)
Punch	PC3	56	40	11	45	29	16
	SKBR3	57	43	11	46	31	15
	LNCaP s	54	38	9	45	36	9
FACS	PC3	58	40	19	39	30	9
	SKBR3	59	42	16	43	32	11
	LNCaP s	58	38	18	40	33	7
Pipetting	PC3	59	45	24	35	29	6
	SKBR3	62	48	17	45	37	8
	LNCaP s	65	46	25	40	34	6

Table 1. Cells counted immediately (0h), 3 hours and 24 hours after punching, FACS sorting or pipetting.

		0 h Live cells (FDA+)	3h Live Cells (FDA+)	24 h Live cells (FDA +/PI-)	24 h dead/dying cells (FDA weak+/PI+)	24 h Apoptotic cells (FDA weak+/PI+)	24 h Dead cells (FDA -/PI+)
Punch	PC3	100	71,4	19,6	80,4	51,8	28,6
	SKBR3	100	75,4	19,3	80,7	54,4	26,3
	LNCaP s	100	70,4	16,7	83,3	66,7	16,7
FACS	PC3	100	69,0	32,8	67,2	51,7	15,5
	SKBR3	100	71,2	27,1	72,9	54,2	18,6
	LNCaP s	100	65,5	31,0	69,0	56,9	12,1
Pipetting	PC3	100	76,3	40,7	59,3	49,2	10,2
	SKBR3	100	77,4	27,4	72,6	59,7	12,9
	LNCaP s	100	70,8	38,5	61,5	52,3	9,2

Table 2. Percentage cells counted immediately (0h), 3 hours and 24 hours after punching, FACS sorting or pipetting.