

Supplementary information

Spotting-based differentiation of functional dopaminergic progenitors from human pluripotent stem cells

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Supplementary Table 1. Total counts of harvested cells on day 15 suggesting that the spotting technique showed better viability than 2D monolayer culture method in 2 hESC lines (H9 and H7) and 2 hiPSC lines (C4 and N3)

Cell Type	5K				10K				20K				730 K
	4	6	9	12	4	6	9	12	4	6	9	12	Monolayer
C4	1217K±174K	3400K±87K	7183K±509K	8267K±328K	3968K±610K	5817K±685K	7717K±517K	7400K±690K	3800K±548K	6733K±524K	7733K±599K	7883K±825K	9950K±257K
N3	3200K±208K	3967K±88K	6633K±219K	6967K±869K	4167K±590K	4733K±441K	6567K±867K	9967K±1646K	6233K±921K	7599K±644K	9533K±2270K	9400K±808K	18267K±623K
H9	2387K±875K	3963K±701K	5138K±800K	6788K±517K	5775K±382K	7550K±278K	8500K±436K	9013K±618K	5025K±325K	7388K±508K	9525K±784K	10438K±643K	22692K±4158K
H7	3675K±907K	3775K±455K	4925K±390K	5325K±652K	3800K±642K	4700K±280K	6975K±477K	6775K±455K	5325K±1200K	6150K±539K	7650K±301K	8100K±274K	15100K±1411K

Supplementary Table 2. Cell loss at days 12 and 14 showing that the spotting technique results in much less cell loss compared to the conventional 2D monolayer culture method when tested using 2 hESC lines (H9 and H7) and 2 hiPSC lines (C4 and N3)

Cell Type	5K				10K				20K				730 K
	4	6	9	12	4	6	9	12	4	6	9	12	Monolayer
C4	NA	NA	NA	NA	874K±54K	1286K±102K	1496K±169K	1676K±134K	1549K±379K	1399K±228K	1418K±144K	1459K±230K	6983K±554K
N3	1035K±143K	805K±120K	1020K±135K	1375K±157K	725K±70K	960K±30K	2070K±68K	2180K±180K	1160K±97K	1335K±238K	1795K±75K	2295K±53K	10025K±424K
H9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
H7	896K±84K	994K±206K	1560K±176K	3364K±391K	1511K±227K	1481K±292K	2261K±184K	4519K±475K	1253K±190K	1834K±294K	4680K±422K	6510K±613K	13070K±320K