HOW DO SINGLE-CELL TECHNOLOGIES COMPARE?

Psomagen

Platform	10x Genomics									Parse Biosciences		
Protocols	3' v3.1	3' HT	3' GEM-X	5' v2	5' HT	5' GEM-X	ATAC v2	Multiome	Flex	Parse Mini	Parse WTK	Parse Mega
Targets	RNA Gene expression (GEx)	GEx	GEx	GEx	GEx	GEx	ATAC	ATAC & GEx	GEx	GEx	GEx	GEx
	GEx and cell surface protein (CSP)	GEx & CSP	GEx & CSP	GEx & CSP	GEx & CSP	GEx & CSP			GEx and cell surface protein (CSP)	GEx, TCR	GEx, TCR	GEx, TCR
					GEx and immune profiling (VDJ)	GEx and VDJ				GEx, CRISPR, TCR	GEx, CRISPR, TCR	GEx, CRISPR, TCR
					GEx, CSP, VDJ	GEx, CSP, VDJ				GEx, CRISPR	GEx, CRISPR	GEx, CRISPR
										GEX, Immune Capture	GEX, Immune Capture	GEX, Immune Capture
Sample multiplexing	Yes	Yes	Yes	Yes	Yes	Yes	Not supported	Not supported	Yes	Required	Required	Required
Max samples/run	8	16	8	8	16	8	8	8	8	12	48	96
Max cells/sample	10k	20k	20k	10k	20k	20k	10k	10k	10k	833	2,083	10,417
Max cells/lane (10x) Max cells/plate (Parse)	20k	60k	60k	60k	60k	60k	10k	10k	128k	10k	100k	1 million
Capture rate	60-65%	60-65%	65-70%	60-65%	60-65%	65%-70%	60-65%	60-65%	2.00%	20-25%		
Input sample type	Cells or nuclei						Nuclei		Fixed* or FFPE cells or nuclei	Fixed* cells or nuclei		
QC requirement	Viability/DAPI >80%								Viability >80%; DV 200 >50%	Viability/DAPI >80%		

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*Platform specific fixation