

Do MORE for LESS with the MatriPlex™

“Going from a singleplex to a multiplex has never been as simple and affordable.” Starting at only 0.31\$/datapoint!

Taking advantage of the SnapChip™ technology, the MatriPlex™ optimization is a newly developed service offered by Parallelex Bioassays. Thanks to the individuality of each assay on the multiplex chip (known to be cross-reaction free), we can (i) **mix-and-match** your routine assays and (ii) **rapidly optimize** all of them in a single MatriPlex™ experiment. Going from a singleplex to a multiplex has never been as simple and affordable. It is a great alternative for those who regularly use a Do It Yourself (DIY) ELISA kit or run tons of Western Blot.

Also, our service can combine up to ten of your assays into a single SnapChip™. Accordingly, more tests can be made, using fewer samples, reagents and time. When comparing the two approaches (MatriPlex/64-well vs. DIY ELISA), only half of the antibodies provided in a DIY kit will be sufficient to analyze ten-time more samples (4800 vs. 480). This contributes to the low cost per datapoint, which can be three-time lower than your current assays (\$0.31 vs. \$0.97).

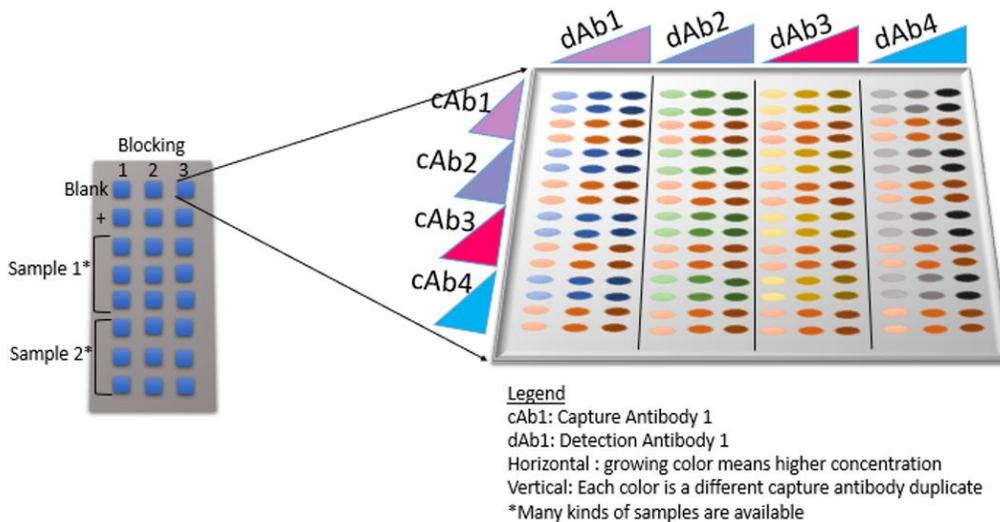


Figure 1: Layout of a MatriPlex™ (24 well).

As seen in the table below, we compared different variables, in order to obtain the same desired endpoint, by using the DIY ELISA approach vs the MatriPlex +

SnapChip approach. For this hypothetical situation, we used a Do It Yourself ELISA Kit that cost approximately 325\$ for five-time 96-well plates.

		DIY ELISA	MatriPlex + SnapChip-5 Chip	MatriPlex + SnapChip- 15 Chip
Free consultation (\$)			0	0
MatriPlex (\$)			1500	1500
Validation (\$)			1500	1500
Assay (5 Plex)	Price of reagent(Antibodies) (\$)	2000	1000	1000
	Price consumable (\$)	325	2500	7500
	Number of sample	480	1600	4800
	Price per datapoint (Batch 1)	0.97	0.81	0.48
	Price per datapoint (Batch 2)	0.97	0.31	0.31
	Time of preparation (h)	3	0	0
	Time of assay (h)	25	5	5
	Sample volume (µL)	1000	20	20

Non-Recurring Expenses

'With the second batch, the price lowered because the only cost considered is the consumable one.'

Table 1: Comparative of a DIY ELISA and a MatriPlex, for 5 Chip and 15 Chip, dependently on the price, time and sample volume used, in a 5 Plex.

MatriPlex™ Optimization service

