

we know how

| Main | South of the control of the c

No specific software needed



Evaluation of IgG+IgA+IgM antibodies response to 4 different SARS-CoV-2 viral proteins simultaneously.

RBD

Spike

Nucleocapsid

Mpro*

Exclusive combination of 4 viral antigens analized simultaneously



Wide Linearity Range



Near to 100% of sensitivity and specifity



Differentiating natural infection from vaccine response



Reliable and reproducible results



More results per sample (>12 plex)









IgG+IgA+IgM Multiplex Microsphere-based Assay

All the information, just one sample.

This bead-based assay by flow cytometry has demonstrated to provide a wide range of information analyzing just one sample in a short period: detecting 4 viral proteins and 3 immunoglobulins, simultaneously.

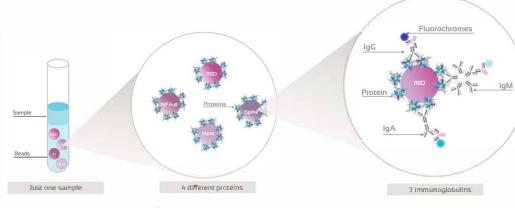
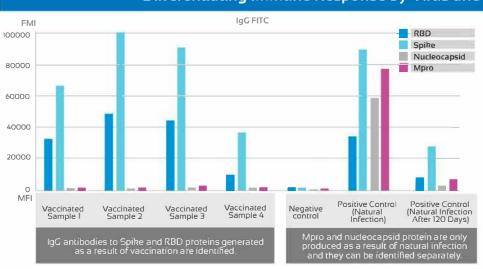


Figure 1: Graphical representation of Anti-SARS-CoV-2 flow cytometry bead-based array procedure. Source: Internal Data.





Facilitating the massive screening of Covid-19 patients to evaluate their immune response.

Pfizer-BioNTech COVID-19 vaccine (Comirnaty) and COVID-19 positive samples were assayed to evaluate IgG antibody response to RBD, S, N and Mpro viral proteins.

MFI levels vary from one sample to another, indicating the existance of different antibody response profiles depending on the viral protein analized.

Figure 2: SARS-CoV-2 multiplex assay vaccinated samples data compared with positive and negative samples. Source: Internal data.

Providing Outstanding Values of Sensitivity and Specificity

	Days	TP	FN	PPA	95% (C.I)		TN	FP	NPA	95% (C.I)		Total
lgG	<7 7-15 >15	30 47 25	5 3 1	94% 94% 96%	75% 87% 86%	100% 100% 100%	293	5	98%	94%	100%	412
lgA	<7 7-15 >15	33 46 28	5 10 1	83% 80% 97%	75% 72% 87%	99% 93% 100%	296	12	96%	91%	100%	403
lgM	<7 7-15 >15	29 47 20	7 9 5	81% 90% 80%	64% 66% 57%	97% 100% 100%	271	21	92%	88%	97%	409

Table 1. Diagnostic sensitivity and specificity. Plasma specimens collected from patients with confirmated COVID-19 PCR positive results were tested with SARSCoV-2 Multiplex IgG+IgA+IgM Assay. Negative percent agreement (NPA) was determined by using specimens collected prior to December 2019. TP, true positive; FN, false negative, PPA, positive percent agreement; TN, true negative; FP, false positive.

Please check regulatory status in your country.



+34 923 29 48 27





Proyecto subvencionado por el Ministerio de Industria, Comercio y Turismo, como parte del programa de ayudas para la fabricación de material sanitario por la crisis de la COVID-19 (2020).

