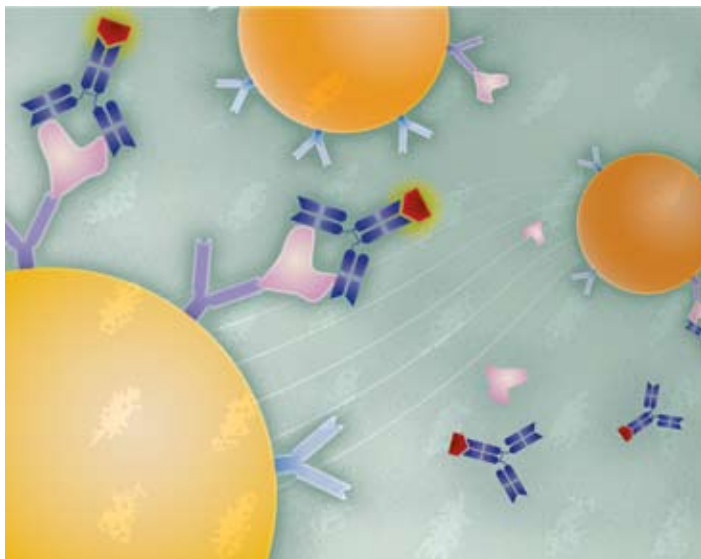


BD CBA Human Immunoglobulin Flex Set System



The BD™ CBA Human Immunoglobulin Flex Set System uses the sensitivity of amplified fluorescence detection by flow cytometry to measure soluble immunoglobulins (Ig). Each bead provides a capture surface for a specific Ig subclass and is analogous to an individually coated well in an ELISA plate. The BD CBA Immunoglobulin Flex Set capture bead is in suspension to allow for the detection of an Ig in a small sample volume. The combined advantages of the broad dynamic range of fluorescent detection via flow cytometry, the ability to distinguish particles based on size and fluorescence intensity, and the efficient capturing of multiple analytes via suspended particles enable the BD CBA Flex Set system to use fewer sample dilutions and to obtain the value of an unknown in substantially less time (compared to conventional ELISA).

The BD CBA Human Immunoglobulin Flex Set system includes the BD CBA Human Immunoglobulin Master Buffer Kit and the following BD CBA Human Immunoglobulin Flex Set Assays: Total IgG, IgG₁, IgG₂, IgG₃, IgG₄, IgM and IgA, all available separately.

	IgA	IgG (total)	IgG ₁	IgG ₂	IgG ₃	IgG ₄	IgM
IgA	Can be multiplexed	Not compatible	Not compatible	Not compatible	Not compatible	Not compatible	Not compatible
IgG (total)	Not compatible	Can be multiplexed	Not compatible	Not compatible	Not compatible	Not compatible	Not compatible
IgG ₁	Not compatible	Not compatible	Can be multiplexed	Not compatible	Not compatible	Not compatible	Not compatible
IgG ₂	Not compatible	Not compatible	Not compatible	Can be multiplexed	Not compatible	Not compatible	Not compatible
IgG ₃	Not compatible	Not compatible	Not compatible	Not compatible	Can be multiplexed	Not compatible	Not compatible
IgG ₄	Not compatible	Not compatible	Not compatible	Not compatible	Not compatible	Can be multiplexed	Not compatible
IgM	Not compatible	Not compatible	Not compatible	Not compatible	Not compatible	Not compatible	Can be multiplexed

= Can be multiplexed
 = Not compatible

While the BD CBA Human Immunoglobulin Flex Set system is capable of simultaneous quantitation of multiple analytes, some incompatibilities exist due to the required dilution ranges for some of the more abundant Ig subclasses (ie, total IgG and IgG₁).

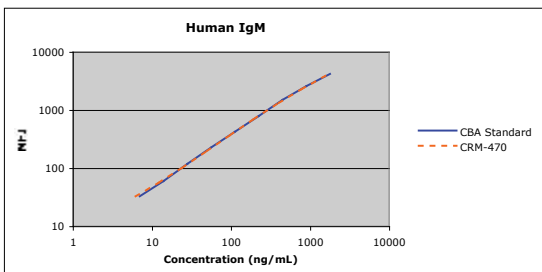
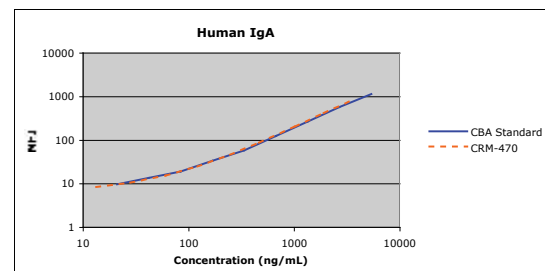
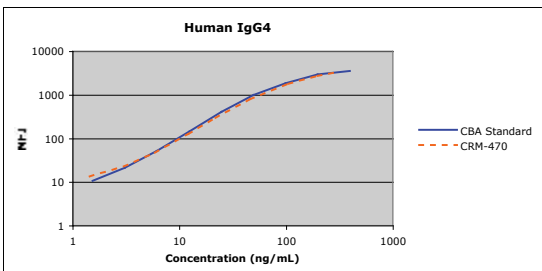
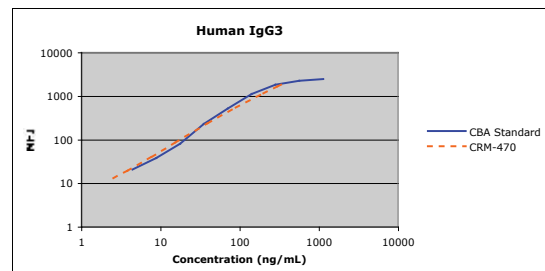
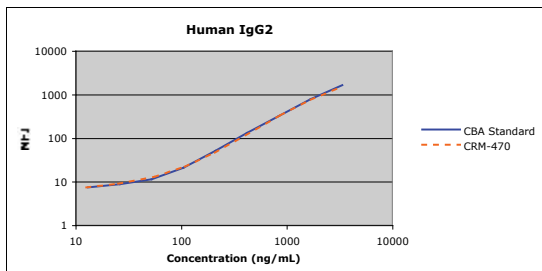
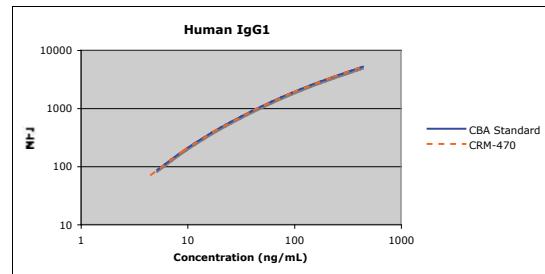
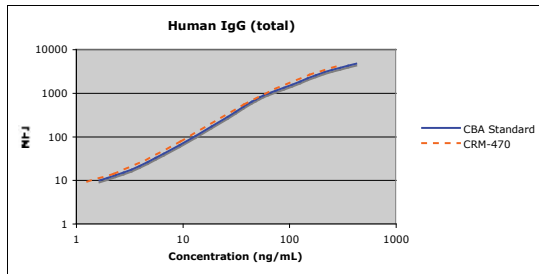


DESCRIPTION	SIZE	ASSAY RANGE	CAT. NO.
Human Total IgG Flex Set (Bead C6)	100 Tests	1.7 - 430 ng/mL	558679
Human IgG ₁ Flex Set (Bead C4)	100 Tests	1.6 - 410 ng/mL	558675
Human IgG ₂ Flex Set (Bead C5)	100 Tests	13.3 - 3,400 ng/mL	558676
Human IgG ₃ Flex Set (Bead C6)	100 Tests	4.5 - 1,150 ng/mL	558677
Human IgG ₄ Flex Set (Bead C7)	100 Tests	1.6 - 400 ng/mL	558678
Human IgA Flex Set (Bead C9)	100 Tests	10.7 - 2,730 ng/mL	558681
Human IgM Flex Set (Bead C8)	100 Tests	3.6 - 910 ng/mL	558680
Human Immunoglobulin Master Buffer Kit	100 Tests		558683
FCAP Array™ Software v1.0.1	PC Compatible CD and User's Guide		641488

BD CBA Human Immunoglobulin Flex Set System

The CRM-470 reference serum preparation was established to provide a reference to standardize assays that quantitate human Ig.^{1,2} The CRM-470 serum was analyzed using the BD CBA Human Immunoglobulin Flex Set system and compared to the Human Immunoglobulin Flex Set standards.

The parallelism of the two curves suggests a strong correlation of quantitation between the BD CBA Human Immunoglobulin Flex Set assays and the CRM-470 reference.



References

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- Baudner S, Bienvu J, Blirup-Jensen S, Carlstrom A, Johnson A.M., Ward A.M., Ritchie R, Svendsen P.J., Whicher J.T. The certification of a matrix reference material for immunochemical measurement of 14 human serum proteins CRM 470. 2003. Report: EUR 15243 EN. Brussels, Belgium: Community Bureau of References (BCR) of the Commission of the European Communities.

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