

BD™ Cytometric Bead Array (CBA) Product List



Highlights of BD CBA Products

Reagents with Superior Quality and Reproducibility

All BD CBA products are evaluated for performance characteristics including reproducibility, linearity, spike recovery, and theoretical limit of detection. These values are reported in the product documentation that is included with each BD CBA product.

Reproducibility

The intra-assay and inter-assay reproducibility are determined by evaluating ten replicates of three different sample levels (intra-assay) and three replicates of three different sample levels from four different experiments (inter-assay).

Linearity

Cell culture supernatant, serum, or EDTA-plasma is spiked with protein and serially diluted. The diluted samples are assayed and the results are compared with the values expected from each dilution.

Spike recovery

Cell culture supernatant, serum, or EDTA-plasma is spiked with three different levels of protein. The samples are assayed and the results are compared to the expected values to determine recovery.

Theoretical limit of detection

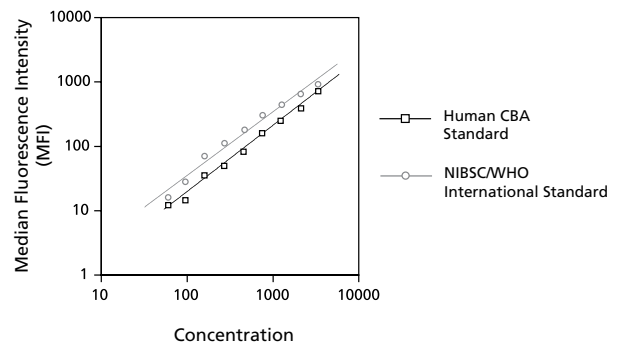
The individual standard curve range for a given cytokine defines the minimum and maximum quantifiable levels using a BD CBA assay. The theoretical limit of detection is defined as the corresponding concentration at two standard deviations above the median fluorescence of 30 replicates of the negative control (0 pg/mL) using a 4- or 5-parameter curve.

Comparison of BD CBA Standards to the NIBSC/WHO International Standards

The NIBSC protein standards are recognized by the World Health Organization (WHO) as international biological standards. They meet established requirements for accuracy, consistency, and stability. The NIBSC/WHO standards are assigned potency values in International Units (IU) of biological activity and nominal mass (ie, not absolute mass values). Therefore they cannot be used to establish absolute concentrations for a cytokine preparation. However, these standards do provide a means to facilitate comparisons of cytokine concentration values determined by experiments conducted within different laboratories or methods.

The source of a recombinant protein (ie, insect cell, *E. coli*, etc) and the affinity of antibodies used can affect the measurement and performance of a protein in an immunoassay. The conversion factors provided in the subsequent tables make it possible to compare protein concentrations in samples measured by different immunoassays that have been standardized to the same NIBSC/WHO standards.

The conversion factor may change based on the batch of either standard. Therefore, the conversion factor is intended to be a guideline indicating whether a BD CBA assay over- or underestimates analyte concentrations relative to the NIBSC/WHO standards. Researchers are advised to incorporate both sets of standards in their assays if they wish to derive data from the NIBSC/WHO standards.



Titration curve comparing the BD CBA Human IFN- γ recombinant standard to the NIBSC/WHO International Standard.

Highlights of BD CBA Products *(continued)*

Table 1. NIBSC conversion factor summary for BD CBA Flex Set Standards

	NIBSC STANDARD			CALCULATED CONCENTRATION USING BD CBA FLEX SET (PG/ML)	NOMINAL NIBSC CONCENTRATION (PG/ML)	BD CBA FLEX SET: NIBSC/WHO MASS CONVERSION FACTOR
	CODE NO.	MASS UNITS / VIAL	IU VALUE			
Human b-FGF	90-712	4 µg	1,600	1,295.87 ±103.20	2,500	1.97
Human G-CSF	88-502	100 ng	10,000	1,231.33 ±87.71	2,500	2.06
Human GM-CSF	88-646	1 µg	10,000	1,551.45 ±70.33	2,500	1.62
Human IFN-γ	87-586	12.5 ng	250	1,287.44 ±174.12	2,500	1.97
Human IL-1β	86-680	1 µg	100,000	2,610.76 ±129.84	2,500	0.97
Human IL-2	86-504	7.6 ng	100	2,148.20 ±193.43	2,500	1.17
Human IL-3	91-510	1 µg	1,700	1,822.31 ±117.76	2,500	1.39
Human IL-4	88-656	100 ng	1,000	1,535.99 ±79.24	2,500	1.65
Human IL-5	90-586	500 ng	5,000	1,084.09 ±254.01	2,500	2.38
Human IL-6	89-548	1 µg	100,000	2,041.22 ±220.02	2,500	1.25
Human IL-7	90-530	1 µg	100,000	573.00 ±94.55	2,500	4.44
Human IL-8	89-520	1 µg	1,000	2,448.42 ±153.34	2,500	1.04
Human IL-9	91-678	100 ng	1,000	601.58 ±35.24	2,500	4.20
Human IL-10	93-722	1 µg	5,000	2,510.49 ±144.61	2,500	1.01
Human IL-11	92-788	500 ng	5,000	13,401.31 ±1,390.37	10,000	0.75
Human IL-12p70	95-544	1 µg	10,000	1,307.09 ±71.6	2,500	1.93
Human IL-13	95-622	1 µg	1,000	2,723.24 ±660.88	2,500	0.93
Human MCP-1	92-794	5 µg	5,000 arbitrary units	2,280.63 ±150.6	2,500	1.10
Human MIP-1α	92-518	2 µg	200 arbitrary units	1,242.93 ±40.98	2,500	2.04
Human OSM	93-564	1 µg	25,000	531.11 ±34.17	2,500	4.75
Human RANTES	92-520	10 µg	100,000 arbitrary units	1,589.05 ±181.79	2,500	1.60
Human TNF	88-786	1 µg	46,500	1,642.65 ±99.14	2,500	1.54
Human TNFR1	96-528	10 µg	not provided	12,214.45 ±1,165.96	10,000	0.83
Human TNFR2	93-524	10 µg	not provided	707.95 ±46.45	2,500	3.57
Human VEGF	02-286	13 µg	13,000	1,250.615 ±72.77	2,500	2.03
Mouse GM-CSF	91-658	1 µg	100,000 arbitrary units	1,748.55 ±132.95	2,500	1.46
Mouse IL-1β	93-668	100 ng	100,000 arbitrary units	4,531.11 ±393.89	2,500	0.56
Mouse IL-2	93-566	100 ng	10,000 arbitrary units	368.74 ±41.31	2,500	6.92
Mouse IL-3	91-662	1 µg	100,000 arbitrary units	1,309.44 ±77.95	2,500	1.93
Mouse IL-4	91-656	1 µg	10,000 arbitrary units	439.64 ±43.03	2,500	5.76
Mouse IL-6	93-730	100 ng	10,000 arbitrary units	221.70 ±49.24	2,500	11.40
Mouse TNF	88-532	1 µg	200,000 arbitrary units	1,540.95 ±191.70	2,500	1.67

Highlights of BD CBA Products *(continued)*

Table 2. NIBSC conversion factor summary for BD CBA Kit Standards

	NIBSC STANDARD			CALCULATED CONCENTRATION USING BD CBA KIT (PG/ML)	NOMINAL NIBSC CONCENTRATION (PG/ML)	BD CBA KIT: NIBSC/WHO MASS CONVERSION FACTOR
	CODE NO.	MASS UNITS / VIAL	IU VALUE			
Human IFN- γ	87-586	12.5 ng	250	4,495.12 \pm 657.67	5,000	1.12
Human IL-1 β	86-680	1 μ g	100,000	3,463.92 \pm 184.87	5,000	1.46
Human IL-2	86-504	7.6 ng	100	3,118.99 \pm 449.33	5,000	1.61
Human IL-4	88-656	100 ng	1,000	5,717.84 \pm 632.51	5,000	0.88
Human IL-5	90-586	500 ng	5,000	3,892.01 \pm 501.66	5,000	1.30
Human IL-6	89-548	1 μ g	100,000	4,986.28 \pm 633.36	5,000	1.01
Human IL-8	89-520	1 μ g	1,000	3,359.12 \pm 319.33	2,500	0.74
Human IL-10	93-722	1 μ g	5,000	4,389.72 \pm 469.84	5,000	1.14
Human IL-12p70	95-544	1 μ g	10,000	3,764.63 \pm 276.73	5,000	1.34
Human MCP-1	92-794	5 μ g	5,000 arbitrary units	2,653.49 \pm 159.89	2,500	0.95
Human RANTES	92-520	10 μ g	100,000 arbitrary units	1,116.63 \pm 90.04	2,500	2.26
Human TNF	88-786	1 μ g	46,500	3,651.85 \pm 417.15	5,000	1.38
Mouse IL-2	93-566	100 ng	10,000 arbitrary units	627.37 \pm 26.29	5,000	8.03
Mouse IL-4	91-656	1 μ g	10,000 arbitrary units	867.48 \pm 59.91	5,000	5.81
Mouse IL-6	93-730	100 ng	10,000 arbitrary units	486.43 \pm 52.42	5,000	10.26
Mouse TNF	88-532	1 μ g	200,000 arbitrary units	2,328.01 \pm 140.83	5,000	2.17

BD CBA Product List

BD CBA Flex Sets

Cell Signaling – Human, Mouse, Rat

DESCRIPTION	REACT	APPS	REG	SIZE	CAT. NO.
Human GAPDH Flex Set (Bead A9)	Hu	FCM	RUO	100 tests	BDB560792
Phospho BLNK (Y84) Flex Set (Bead C9)	Hu	FCM	RUO	100 tests	BDB560063
Phospho Btk (Y551) Flex Set (Bead D5)	Hu	FCM	RUO	100 tests	BDB560004
Phospho c-Jun (S63) Flex Set (Bead D8)	Hu	FCM	RUO	100 tests	BDB560059
Phospho eNos (S1177) Flex Set (Bead C7)	Hu, Ms	FCM	RUO	100 tests	BDB560021
Phospho eNos (T495) Flex Set (Bead C7)	Hu	FCM	RUO	100 tests	BDB560065
Phospho ERK1/2 (T202/Y204) Flex Set (Bead C4)	Hu, Ms, Rat	FCM	RUO	100 tests	BDB560012
Phospho Itk (Y511) Flex Set (Bead C6)	Hu, Ms, Rat	FCM	RUO	100 tests	BDB560008
Phospho JNK1/2 (T183/Y185) Flex Set (Bead B5)	Hu, Ms, Rat	FCM	RUO	100 tests	BDB560013
Phospho MEK1/2 (S222) Flex Set (Bead A6)	Hu	FCM	RUO	100 tests	BDB560150
Phospho p38 (T180/Y182) Flex Set (Bead B6)	Hu, Ms, Rat	FCM	RUO	100 tests	BDB560010
Phospho PLC-γ (Y783) Flex Set (Bead B7)	Hu, Ms, Rat	FCM	RUO	100 tests	BDB560009
Phospho Rsk (T573) Flex Set (Bead D7)	Hu, Ms, Rat	FCM	RUO	100 tests	BDB560024
Phospho SLP-76 (Y145) Flex Set (Bead D6)	Hu	FCM	RUO	100 tests	BDB560067
Phospho Stat1 (Y701) Flex Set (Bead C5)	Hu	FCM	RUO	100 tests	BDB560015
Phospho Stat3 (Y705) Flex Set (Bead C8)	Hu	FCM	RUO	100 tests	BDB560093
Phospho Syk (Y352) Flex Set (Bead B9)	Hu, Ms, Rat	FCM	RUO	100 tests	BDB560014
Phospho ZAP-70 (Y319) Flex Set (Bead B8)	Hu, Ms	FCM	RUO	100 tests	BDB560011
Total Jnk Flex Set (Bead B5)	Hu	FCM	RUO	100 tests	BDB560214
Total p38-α Flex Set (Bead B6)	Hu	FCM	RUO	100 tests	BDB560145
Total Stat1 Flex Set (Bead C5)	Hu, Ms, Rat	FCM	RUO	100 tests	BDB560017
Total Syk Flex Set (Bead B9)	Hu	FCM	RUO	100 tests	BDB560020
Total ZAP-70 Flex Set (Bead B8)	Hu, Ms, Rat	FCM	RUO	100 tests	BDB560019

BD CBA Flex Sets

Cell Signaling – Supporting Reagents

DESCRIPTION	APPS	REG	SIZE	CAT. NO.
Cell Signaling Master Buffer Kit (Required for use with BD CBA Cell Signaling Flex Sets)	FCM	RUO	100 tests	BDB560005
	FCM	RUO	500 tests	BDB560006
Wash Buffer	FCM	RUO	130 mL	BDB560105
30-Plex Bead Mixture (Used for verification of instrument setup)	FCM	RUO	1 vial	BDB558522

BD CBA Flex Sets

Cell Signaling – Standards

DESCRIPTION	APPS	REG	FORMAT	SIZE	CAT. NO.
Phospho ERK1/2 (T202/Y204) Standard	FCM	RUO	Lyophilized	1 vial	BDB560027
Phospho JNK1/2 (T183/Y185) Standard	FCM	RUO	Lyophilized	1 vial	BDB560029
Phospho p38 (T180/Y182) Standard	FCM	RUO	Lyophilized	1 vial	BDB560028

BD CBA Product List (continued)

BD CBA Flex Sets

Soluble Proteins – Human

DESCRIPTION	APPS	REG	SIZE	CAT. NO.
Human Angiogenin Flex Set (Bead C4)	FCM	RUO	100 tests	BDB558328
Human Basic FGF Flex Set (Bead C5)	FCM	RUO	100 tests	BDB558327
Human Soluble CD14 Flex Set (Bead D7)	FCM	RUO	100 tests	BDB560418
Human CD54 (ICAM-1) Flex Set (Bead A4)	FCM	RUO	100 tests	BDB560269
Human CD62E (E-Selectin) Flex Set (Bead D9)	FCM	RUO	100 tests	BDB560419
Human CD62L (L-Selectin) Flex Set (Bead D8)	FCM	RUO	100 tests	BDB560420
Human CD62P (P-Selectin) Flex Set (Bead D7)	FCM	RUO	100 tests	BDB560426
Human CD106 (VCAM-1) Flex Set (Bead D6)	FCM	RUO	100 tests	BDB560427
Human Soluble CD121a (IL-1 RI) Flex Set (Bead B6)	FCM	RUO	100 tests	BDB560276
Human Soluble CD121b (IL-1 RII) Flex Set (Bead B7)	FCM	RUO	100 tests	BDB560281
Human sCD154 (sCD40 Ligand) Flex Set (Bead C7)	FCM	RUO	100 tests	BDB560305
Human CD178 (Fas Ligand) Flex Set (Bead C6)	FCM	RUO	100 tests	BDB558330
Human Eotaxin Flex Set (Bead C7)	FCM	RUO	100 tests	BDB558329
Human Fractalkine Flex Set (Bead C6)	FCM	RUO	100 tests	BDB560265
Human G-CSF Flex Set (Bead C8)	FCM	RUO	100 tests	BDB558326
Human GM-CSF Flex Set (Bead C9)	FCM	RUO	100 tests	BDB558335
Human Granzyme A Flex Set (Bead D9)	FCM	RUO	100 tests	BDB560299
Human Granzyme B Flex Set (Bead D7)	FCM	RUO	100 tests	BDB560304
Human IFN- α Flex Set (Bead B8)	FCM	RUO	100 tests	BDB560379
Human IFN- γ Flex Set (Bead B8)	FCM	RUO	100 tests	BDB560111
Human IFN- γ Flex Set (Bead E7)	FCM	RUO	100 tests	BDB558269
Human IL-1 α Flex Set (Bead D6)	FCM	RUO	100 tests	BDB560153
Human IL-1 β Flex Set (Bead B4)	FCM	RUO	100 tests	BDB558279
Human IL-2 Flex Set (Bead A4)	FCM	RUO	100 tests	BDB558270
Human IL-3 Flex Set (Bead D5)	FCM	RUO	100 tests	BDB558355
Human IL-4 Flex Set (Bead A5)	FCM	RUO	100 tests	BDB558272
Human IL-5 Flex Set (Bead A6)	FCM	RUO	100 tests	BDB558278
Human IL-6 Flex Set (Bead A7)	FCM	RUO	100 tests	BDB558276
Human IL-7 Flex Set (Bead A8)	FCM	RUO	100 tests	BDB558334
Human IL-8 Flex Set (Bead A9)	FCM	RUO	100 tests	BDB558277
Human IL-9 Flex Set (Bead B6)	FCM	RUO	100 tests	BDB558333
Human IL-10 Flex Set (Bead B7)	FCM	RUO	100 tests	BDB558274
Human IL-11 Flex Set (Bead D5)	FCM	RUO	100 tests	BDB560228
Human IL-12/IL-23p40 Flex Set (Bead E5)	FCM	RUO	100 tests	BDB560154
Human IL-12p70 Flex Set (Bead E5)	FCM	RUO	100 tests	BDB558283
Human IL-13 Flex Set (Bead E6)	FCM	RUO	100 tests	BDB558450
Human IL-17A Flex Set (Bead B5)	FCM	RUO	100 tests	BDB560383
Human IL-17F Flex Set (Bead C6)	FCM	RUO	100 tests	BDB562151
Human IL-21 Flex Set (Bead B8)	FCM	RUO	100 tests	BDB560358
Human IP-10 Flex Set (Bead B5)	FCM	RUO	100 tests	BDB558280
Human I-TAC Flex Set (Bead A7)	FCM	RUO	100 tests	BDB560364
Human LT- α Flex Set (Bead D5)	FCM	RUO	100 tests	BDB560083
Human MCP-1 Flex Set (Bead D8)	FCM	RUO	100 tests	BDB558287
Human MIG Flex Set (Bead E8)	FCM	RUO	100 tests	BDB558286
Human MIP-1 α Flex Set (Bead B9)	FCM	RUO	100 tests	BDB558325
Human MIP-1 β Flex Set (Bead E4)	FCM	RUO	100 tests	BDB558288
Human RANTES Flex Set (Bead D4)	FCM	RUO	100 tests	BDB558324
Human TGF- β 1 Single Plex Flex Set	FCM	RUO	100 tests	BDB560429
Human TNF Flex Set (Bead C4)	FCM	RUO	100 tests	BDB560112
Human TNF Flex Set (Bead D9)	FCM	RUO	100 tests	BDB558273
Human Soluble TNFRI Flex Set (Bead C4)	FCM	RUO	100 tests	BDB560156
Human Soluble TNFRII Flex Set (Bead C5)	FCM	RUO	100 tests	BDB560155
Human VEGF Flex Set (Bead B8)	FCM	RUO	100 tests	BDB558336

BD CBA Product List (continued)

BD CBA Flex Sets

Enhanced Sensitivity - Human

DESCRIPTION	APPS	REG	SIZE	CAT. NO.
Human IFN- γ Enhanced Sensitivity Flex Set (Bead B8)	FCM	RUO	100 tests	BDB561515
Human IL-1 β Enhanced Sensitivity Flex Set (Bead B4)	FCM	RUO	100 tests	BDB561509
Human IL-2 Enhanced Sensitivity Flex Set (Bead A4)	FCM	RUO	100 tests	BDB561517
Human IL-4 Enhanced Sensitivity Flex Set (Bead A5)	FCM	RUO	100 tests	BDB561510
Human IL-5 Enhanced Sensitivity Flex Set (Bead A6)	FCM	RUO	100 tests	BDB561511
Human IL-6 Enhanced Sensitivity Flex Set (Bead A7)	FCM	RUO	100 tests	BDB561512
Human IL-8 Enhanced Sensitivity Flex Set (Bead A9)	FCM	RUO	100 tests	BDB561513
Human IL-10 Enhanced Sensitivity Flex Set (Bead B7)	FCM	RUO	100 tests	BDB561514
Human IL-12 p70 Enhanced Sensitivity Flex Set (Bead C6)	FCM	RUO	100 tests	BDB561518
Human IL-17A Enhanced Sensitivity Flex Set (Bead B5)	FCM	RUO	100 tests	BDB562143
Human TNF Enhanced Sensitivity Flex Set (Bead C4)	FCM	RUO	100 tests	BDB561516

BD CBA Flex Sets

Soluble Proteins - Immunoglobulins

DESCRIPTION	APPS	REG	SIZE	CAT. NO.
Human IgA Flex Set (Bead C9)	FCM	RUO	100 tests	BDB558681
Human IgG2 Flex Set (Bead C5)	FCM	RUO	100 tests	BDB558676
Human IgG3 Flex Set (Bead C6)	FCM	RUO	100 tests	BDB558677
Human IgG4 Flex Set (Bead C7)	FCM	RUO	100 tests	BDB558678
Human IgE Flex Set (Bead E9)	FCM	RUO	100 tests	BDB558682
Human IgM Flex Set (Bead C8)	FCM	RUO	100 tests	BDB558680
Human Total IgG Flex Set (Bead C6)	FCM	RUO	100 tests	BDB558679

BD CBA Flex Sets

Soluble Proteins - Mouse

DESCRIPTION	APPS	REG	SIZE	CAT. NO.
Mouse CD62E (E-Selectin) Flex Set (Bead E6)	FCM	RUO	100 tests	BDB560384
Mouse CD62L (L-Selectin) Flex Set (Bead E7)	FCM	RUO	100 tests	BDB560385
Mouse G-CSF Flex Set (Bead D4)	FCM	RUO	100 tests	BDB560152
Mouse GM-CSF Flex Set (Bead B9)	FCM	RUO	100 tests	BDB558347
Mouse IFN- γ Flex Set (Bead A4)	FCM	RUO	100 tests	BDB558296
Mouse IL-1 α Flex Set (Bead E4)	FCM	RUO	100 tests	BDB560157
Mouse IL-1 β Flex Set (Bead E5)	FCM	RUO	100 tests	BDB560232
Mouse IL-2 Flex Set (Bead A5)	FCM	RUO	100 tests	BDB558297
Mouse IL-3 Flex Set (Bead A8)	FCM	RUO	100 tests	BDB558346
Mouse IL-4 Flex Set (Bead A7)	FCM	RUO	100 tests	BDB558298
Mouse IL-5 Flex Set (Bead A6)	FCM	RUO	100 tests	BDB558302
Mouse IL-6 Flex Set (Bead B4)	FCM	RUO	100 tests	BDB558301
Mouse IL-9 Flex Set (Bead B5)	FCM	RUO	100 tests	BDB558348
Mouse IL-10 Flex Set (Bead C4)	FCM	RUO	100 tests	BDB558300
Mouse IL-12/IL-23p40 Flex Set (Bead D7)	FCM	RUO	100 tests	BDB560151
Mouse IL-12p70 Flex Set (Bead D7)	FCM	RUO	100 tests	BDB558303
Mouse IL-13 Flex Set (Bead B8)	FCM	RUO	100 tests	BDB558349
Mouse IL-17A Flex Set (Bead B5)	FCM	RUO	100 tests	BDB560283
Mouse IL-17F Flex Set (Bead D6)	FCM	RUO	100 tests	BDB562174
Mouse IL-21 Flex Set (Bead B6)	FCM	RUO	100 tests	BDB560160
Mouse IL-23 p19/p40 Flex Set (Bead D7)	FCM	RUO	100 tests	BDB562575
Mouse KC Flex Set (Bead A9)	FCM	RUO	100 tests	BDB558340
Mouse MCP-1 Flex Set (Bead B7)	FCM	RUO	100 tests	BDB558342
Mouse MIG Flex Set (Bead D9)	FCM	RUO	100 tests	BDB558341
Mouse MIP-1 α Flex Set (Bead C7)	FCM	RUO	100 tests	BDB558449
Mouse MIP-1 β Flex Set (Bead C9)	FCM	RUO	100 tests	BDB558343
Mouse RANTES Flex Set (Bead D8)	FCM	RUO	100 tests	BDB558345
Mouse TNF Flex Set (Bead C8)	FCM	RUO	100 tests	BDB558299

BD CBA Product List (continued)

BD CBA Flex Sets

Enhanced Sensitivity - Mouse

DESCRIPTION	APPS	REG	SIZE	CAT. NO.
Mouse IFN- γ Enhanced Sensitivity Flex Set (Bead A4)	FCM	RUO	100 tests	BDB562233
Mouse IL-1 β Enhanced Sensitivity Flex Set (Bead B9)	FCM	RUO	100 tests	BDB562278
Mouse IL-2 Enhanced Sensitivity Flex Set (Bead A5)	FCM	RUO	100 tests	BDB562262
Mouse IL-4 Enhanced Sensitivity Flex Set (Bead A7)	FCM	RUO	100 tests	BDB562272
Mouse IL-5 Enhanced Sensitivity Flex Set (Bead A6)	FCM	RUO	100 tests	BDB562234
Mouse IL-6 Enhanced Sensitivity Flex Set (Bead B4)	FCM	RUO	100 tests	BDB562236
Mouse IL-10 Enhanced Sensitivity Flex Set (Bead C4)	FCM	RUO	100 tests	BDB562263
Mouse IL-12 p70 Enhanced Sensitivity Flex Set (Bead D7)	FCM	RUO	100 tests	BDB562264
Mouse IL-13 Enhanced Sensitivity Flex Set (Bead B8)	FCM	RUO	100 tests	BDB562273
Mouse IL-17A Enhanced Sensitivity Flex Set (Bead C5)	FCM	RUO	100 tests	BDB562261
Mouse TNF Enhanced Sensitivity Flex Set (Bead C8)	FCM	RUO	100 tests	BDB562336

BD CBA Flex Sets

Soluble Proteins - Rat

DESCRIPTION	APPS	REG	SIZE	CAT. NO.
Rat IFN- γ Flex Set (Bead A6)	FCM	RUO	100 tests	BDB558305
Rat IL-1 α Flex Set (Bead A4)	FCM	RUO	100 tests	BDB560159
Rat IL-2 Flex Set (Bead E5)	FCM	RUO	100 tests	BDB561420
Rat IL-4 Flex Set (Bead B9)	FCM	RUO	100 tests	BDB558307
Rat IL-6 Flex Set (Bead A9)	FCM	RUO	100 tests	BDB558308
Rat IL-10 Flex Set (Bead A8)	FCM	RUO	100 tests	BDB558306
Rat TNF Flex Set (Bead C8)	FCM	RUO	100 tests	BDB558309

BD CBA Flex Sets

Soluble Proteins - Supporting Reagents

DESCRIPTION	APPS	REG	SIZE	CAT. NO.
Human Soluble Protein Master Buffer Kit (Required for use with BD CBA Human Soluble Protein Flex Sets)	FCM	RUO	100 tests	BDB558264
	FCM	RUO	500 tests	BDB558265
Human Enhanced Sensitivity Master Buffer Kit (Required for use with BD CBA Human Enhanced Sensitivity Flex Sets)	FCM	RUO	100 tests	BDB561521
	FCM	RUO	500 tests	BDB561523
Human Immunoglobulin Master Buffer Kit (Required for use with BD CBA Human Ig Flex Sets)	FCM	RUO	100 tests	BDB558683
Mouse/Rat Soluble Protein Master Buffer Kit (Required for use with BD CBA Mouse/Rat Soluble Protein Flex Sets)	FCM	RUO	100 tests	BDB558266
	FCM	RUO	500 tests	BDB558267
Mouse Enhanced Sensitivity Master Buffer Kit (Required for use with BD CBA Mouse Enhanced Sensitivity Flex Sets)	FCM	RUO	100 tests	BDB562246
	FCM	RUO	500 tests	BDB562248
Assay Diluent	FCM	RUO	30 mL	BDB560104
Enhanced Sensitivity Detection Reagent (Part B)	FCM	RUO	1 vial	BDB561519
Wash Buffer	FCM	RUO	130 mL	BDB560105
30 Plex Bead Mixture (Used for verification of instrument setup)	FCM	RUO	1 vial	BDB558522

BD CBA Product List (continued)

BD CBA Flex Sets

Soluble Proteins - Standards

DESCRIPTION	APPS	REG	FORMAT	SIZE	CAT. NO.
Human IFN- γ Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558456
Human IL-1 β Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558457
Human IL-2 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558461
Human IL-4 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558462
Human IL-5 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558463
Human IL-6 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558464
Human IL-8 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558465
Human IL-10 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558458
Human IL-12 p70 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558459
Human IL-13 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558460
Human IL-17A Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB561668
Human IP-10 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558466
Human MCP-1 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558467
Human MIP-1 α Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558468
Human MIP-1 β Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558469
Human RANTES Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558470
Human TNF Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558472
Mouse IFN- γ Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558473
Mouse IL-1 β Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB561667
Mouse IL-2 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558476
Mouse IL-4 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558477
Mouse IL-5 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558478
Mouse IL-6 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558479
Mouse IL-10 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558474
Mouse IL-12p70 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558475
Mouse IL-17A Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB561669
Mouse TNF Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558480
Rat IFN- γ Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558481
Rat IL-6 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558483
Rat IL-10 Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558482
Rat TNF Flex Set Standard	FCM	RUO	Lyophilized	1 vial	BDB558484

BD CBA Product List *(continued)*

BD CBA Flex Sets

Functional Beads

DESCRIPTION	APPS	REG	SIZE	CAT. NO.
Functional Bead (A4)	Array	RUO	6,000 tests	BDB558578
Functional Bead (A5)	Array	RUO	6,000 tests	BDB560031
Functional Bead (A6)	Array	RUO	6,000 tests	BDB560032
Functional Bead (A7)	Array	RUO	6,000 tests	BDB560033
Functional Bead (A8)	Array	RUO	6,000 tests	BDB560034
Functional Bead (A9)	Array	RUO	6,000 tests	BDB558579
Functional Bead (B4)	Array	RUO	6,000 tests	BDB560035
Functional Bead (B5)	Array	RUO	6,000 tests	BDB558586
Functional Bead (B6)	Array	RUO	6,000 tests	BDB558645
Functional Bead (B7)	Array	RUO	6,000 tests	BDB558580
Functional Bead (B8)	Array	RUO	6,000 tests	BDB558581
Functional Bead (B9)	Array	RUO	6,000 tests	BDB558646
Functional Bead (C4)	Array	RUO	6,000 tests	BDB558647
Functional Bead (C5)	Array	RUO	6,000 tests	BDB558648
Functional Bead (C6)	Array	RUO	6,000 tests	BDB558582
Functional Bead (C7)	Array	RUO	6,000 tests	BDB558587
Functional Bead (C8)	Array	RUO	6,000 tests	BDB558649
Functional Bead (C9)	Array	RUO	6,000 tests	BDB558650
Functional Bead (D4)	Array	RUO	6,000 tests	BDB560036
Functional Bead (D5)	Array	RUO	6,000 tests	BDB558583
Functional Bead (D6)	Array	RUO	6,000 tests	BDB558654
Functional Bead (D7)	Array	RUO	6,000 tests	BDB558655
Functional Bead (D8)	Array	RUO	6,000 tests	BDB558656
Functional Bead (D9)	Array	RUO	6,000 tests	BDB558657
Functional Bead (E4)	Array	RUO	6,000 tests	BDB558584
Functional Bead (E5)	Array	RUO	6,000 tests	BDB560037
Functional Bead (E6)	Array	RUO	6,000 tests	BDB560038
Functional Bead (E7)	Array	RUO	6,000 tests	BDB560039
Functional Bead (E8)	Array	RUO	6,000 tests	BDB560040
Functional Bead (E9)	Array	RUO	6,000 tests	BDB558585

BD CBA Flex Sets

Functional Beads - Supporting Reagents

DESCRIPTION	REACT	CLONE	ISOTYPE	APPS	REG	FORMAT	SIZE	CAT. NO.
Functional Bead Conjugation Buffer Set (Required for use with BD CBA Functional Beads)				FCM	RUO	Set	15 reactions	BDB558556
Mouse Ig Detector (PE-labeled antibody for confirmation of conjugation)	Ms	Polyclonal	Goat Ig	FCM	RUO	PE	25 tests	BDB558550
Rabbit IgG Detector (PE-labeled antibody for confirmation of conjugation)	Rab	C101-359	Mouse (BALB/c) IgG ₁ , κ	FCM	RUO	PE	25 tests	BDB558553
Rat Ig Detector (PE-labeled antibody for confirmation of conjugation)	Rat	Poly1271	Goat Ig	FCM	RUO	PE	25 tests	BDB558551

BD CBA Product List (continued)

BD CBA Kits

Human

DESCRIPTION	APPS	REG	FORMAT	SIZE	CAT. NO.
Human Anaphylatoxin Kit	FCM	RUO	C4a, C3a, C5a	80 tests	BDB561418
Human Chemokine Kit	FCM	RUO	IL-8, RANTES, MIG, MCP-1, IP-10	80 tests	BDB552990
Human Inflammatory Cytokine Kit	FCM	RUO	IL-8, IL-1 β , IL-6, IL-10, TNF, IL-12p70	80 tests	BDB551811
Human Th1/Th2 Cytokine Kit	FCM	RUO	IL-2, IL-4, IL-5, IL-10, TNF, IFN- γ	80 tests	BDB550749
Human Th1/Th2 Cytokine Kit II	FCM	RUO	IL-2, IL-4, IL-6, IL-10, TNF, IFN- γ	80 tests	BDB551809
Human Th1/Th2/Th17 Kit	FCM	RUO	IL-2, IL-4, IL-6, IL-10, TNF, IFN- γ , IL-17A	80 tests	BDB560484

BD CBA Kits

Mouse

DESCRIPTION	APPS	REG	FORMAT	SIZE	CAT. NO.
Mouse Immunoglobulin Isotyping Kit	FCM	RUO	Heavy and light chain isotypes of IgG ₁ , IgG _{2a} , IgG _{2b} , IgG ₃ , IgA, IgM, IgE	100 tests	BDB550026
Mouse Inflammation Kit	FCM	RUO	IL-6, IL-10, MCP-1, IFN- γ , TNF, IL-12p70	80 tests	BDB552364
Mouse Th1/Th2 Cytokine Kit	FCM	RUO	IL-2, IL-4, IL-5, IFN- γ , TNF	80 tests	BDB551287
Mouse Th1/Th2/Th17 Kit	FCM	RUO	IL-2, IL-4, IL-6, IFN- γ , TNF, IL-17A, IL-10	80 tests	BDB560485

BD CBA Kits

Non-Human Primate

DESCRIPTION	APPS	REG	FORMAT	SIZE	CAT. NO.
Non-human Primate Th1/Th2 Cytokine Kit	FCM	RUO	IL-2, IL-4, IL-5, IL-6, TNF, IFN- γ	80 tests	BDB557800

BD CBA Kits

Standards

DESCRIPTION	APPS	REG	FORMAT	SIZE	CAT. NO.
Human Inflammatory Cytokine Lyophilized Standard	FCM	RUO	IL-8, IL-1 β , IL-6, IL-10, TNF, IL-12p70	1 vial	BDB552932
Human Th1/Th2 Cytokine Lyophilized Standard	FCM	RUO	IL-2, IL-4, IL-5, IL-6, IL-10, TNF, IFN- γ	1 vial	BDB551810
Human Th1/Th2/Th17 Cytokine Lyophilized Standard	FCM	RUO	IL-2, IL-4, IL-6, IL-10, TNF, IFN- γ , IL-17A	1 vial	BDB561666
Mouse Inflammation Lyophilized Standard	FCM	RUO	IL-6, IL-10, MCP-1, TNF, IFN- γ , IL-12p70	1 vial	BDB620280
Mouse Th1/Th2 Cytokine Lyophilized Standard	FCM	RUO	IL-2, IL-4, IL-5, IFN- γ , TNF	1 vial	BDB552967
Mouse Th1/Th2/Th17 Cytokine Lyophilized Standard	FCM	RUO	IL-2, IL-4, IL-6, IFN- γ , TNF, IL-17A, IL-10	1 vial	BDB561665

Software

DESCRIPTION	APPS	REG	FORMAT	CAT. NO.
FCAP Array™ v3.0 (PC, Windows® XP, Windows Vista, Windows 7) (Required for quantitative analysis of BD CBA Flex Set and Kit products)	FCM	RUO	PC Compatible DVD, User's Guide, and Hardware Key	BDB652099
FCAP Array v1.0.2 (Mac® OS) (Required for quantitative analysis of BD CBA Flex Set and Kit products)	FCM	RUO	Mac OS CD-ROM, User's Guide, and Hardware Key	BDB645447
BD Accuri™ Selectable Laser Module (Required for BD CBA Flex Sets on the BD Accuri C6 flow cytometer)	FCM	RUO	Includes Activation Key and Optical filters: 780/60, 610/20, 630/30	BDB653126

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