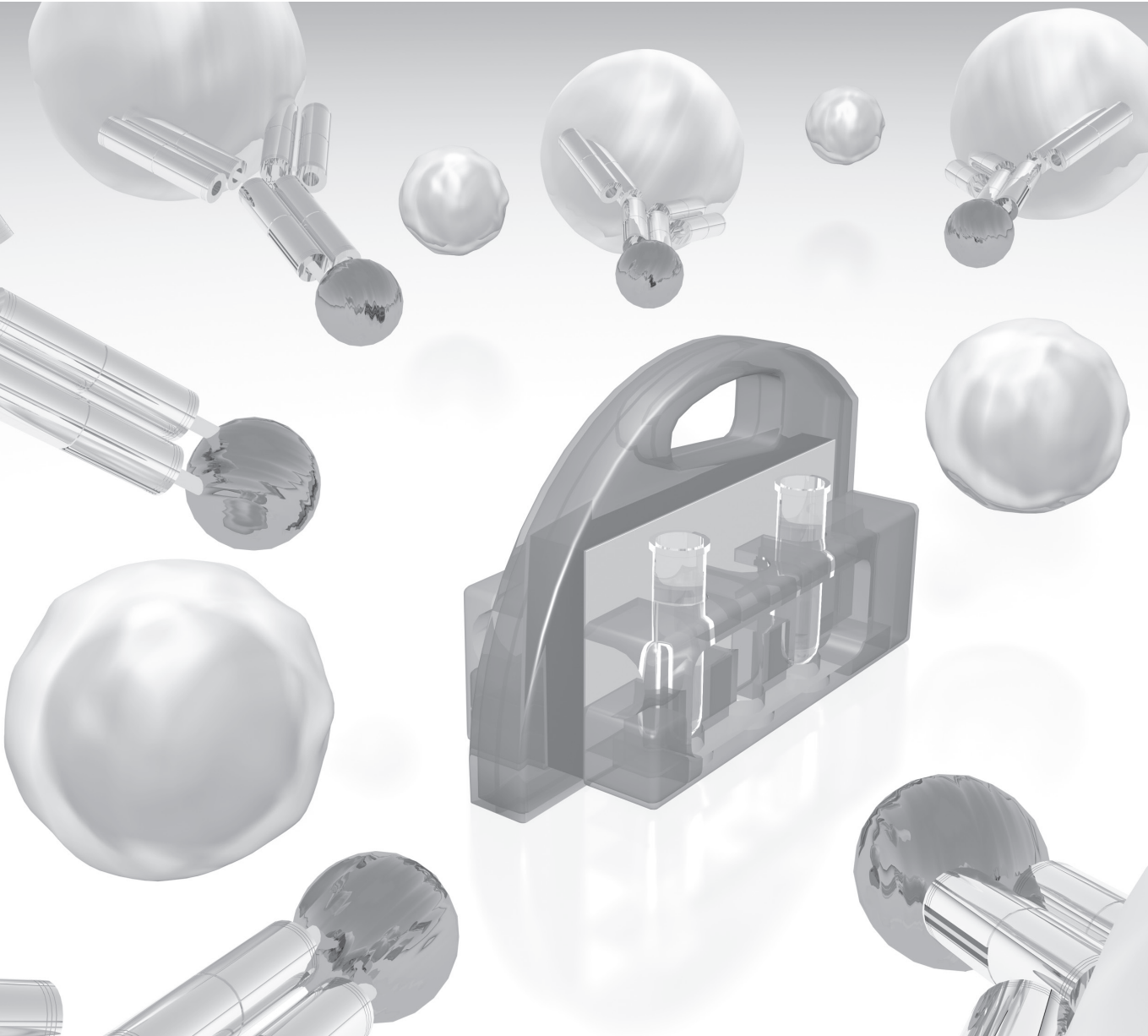


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BD Biosciences

# BD IMag™ Cell Separation System Product List

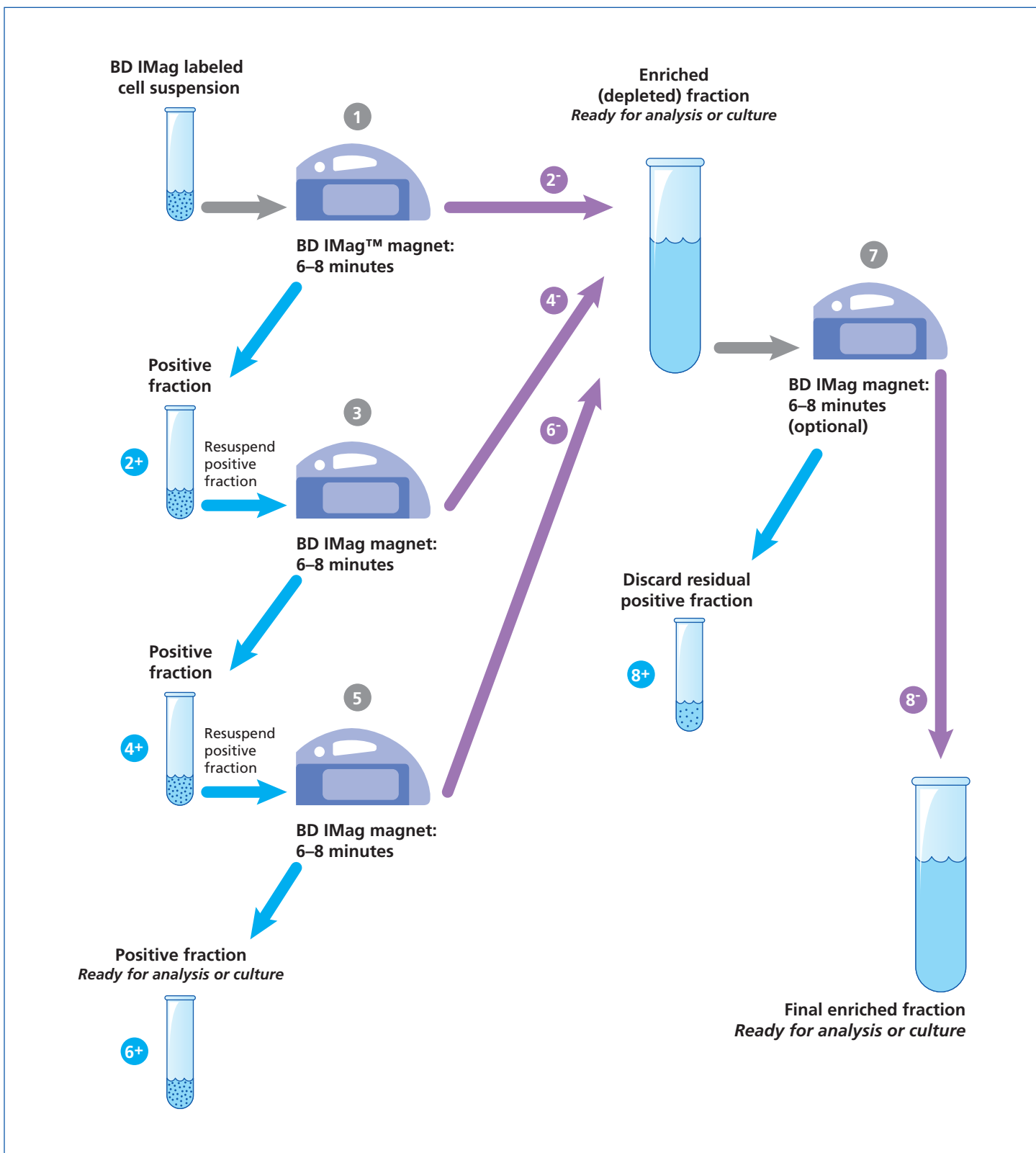
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For Research Use Only. Not for use in diagnostic or therapeutic procedures.



## BD IMag™ Enrichment Protocol Flow Chart



**Figure 1.** BD IMag Positive and Negative Enrichment Protocol

- 1 Place the BD IMag labeled cell suspension onto the BD IMag Cell Separation Magnet.
- 2- Remove the supernatant containing the negative fraction and place in an appropriately labeled tube.
- 2+ Remove the tube containing the positive fraction.
- 3 Resuspend the positive fraction and place back onto the BD IMag Cell Separation Magnet.
- 4- Remove the negative fraction and pool with the negative fraction from step 2-.
- 4+ Remove the tube containing the positive fraction.
- 5 Resuspend the positive fraction and place back onto the BD IMag Cell Separation Magnet.
- 6- Remove the negative fraction and pool with the negative fraction from steps 2- and 4-.
- 6+ Remove the twice washed positive fraction and resuspend the cells for use.
- 7 Place the combined negative fractions on the BD IMag Cell Separation Magnet.
- 8- Remove the remaining twice enriched fraction and place in an appropriately labeled tube for use.
- 8+ Remove and discard the residual positive fraction.

## BD IMag™ Sets for Enrichment

### Human

DESCRIPTION	REACT	CONTENTS	APPS	REG	SIZE	CAT. NO.
<b>B-Lymphocyte Enrichment Set</b>	Human	CD3, CD41a, CD43, CD235a biotinylated antibody cocktail and BD IMag™ SAv particles	Cell separation	RUO	5 mL	<b>558007</b>
<b>CD4 T-Lymphocyte Enrichment Set</b>	Human	CD8, CD11b/Mac-1, CD16, CD19, CD36, CD41a, CD56, CD123, CD235a, γδ TCR biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>557939</b>
<b>CD8 T-Lymphocyte Enrichment Set</b>	Human	CD4, CD11b/Mac-1, CD16, CD19, CD36, CD41a, CD56, CD123, CD235a, γδ TCR biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>557941</b>
<b>Dendritic Cell Enrichment Set</b>	Human	CD3, CD14, CD19, CD41a, CD56, CD66b, CD235a, IgE biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>558420</b>
<b>Human Lineage Cell Depletion Set</b>	Human	CD3, CD14, CD16, CD19, CD41a, CD56, Glycophorin A biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>560030</b>
<b>Memory CD4+ T-Cell Enrichment Set</b>	Human	CD8, CD11b, CD16, CD19, CD36, CD41a, CD45RA, CD56, CD123, CD235a, γδ TCR biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>558520</b>
<b>Monocyte Enrichment Set</b>	Human	CD3, CD45RA, CD19, CD56, CD235a, CD41a and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>558454</b>
<b>Naive CD4 T-Cell Enrichment Set</b>	Human	CD8, CD11b, CD16, CD19, CD36, CD41a, CD45RO, CD56, CD123, γδ TCR, Glycophorin A biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>558521</b>
<b>Naive CD8 T-Cell Enrichment Set</b>	Human	CD4, CD11b, CD16, CD19, CD41a, CD45RO, γδ TCR, Glycophorin A biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>558569</b>
<b>NK Cell Enrichment Set</b>	Human	CD3, CD19, CD36, CD41a, CD66b, CD123, CD235a, IgE biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>557987</b>
<b>Regulatory T-Lymphocyte Separation Set</b>	Human	CD8, CD11b/Mac-1 (CR3), CD16, CD19, CD36, CD41a, CD56, CD123, CD235a, γδ TCR biotinylated antibody cocktail, CD25 APC, BD IMag SAv particles, and BD IMag anti-APC particles	Cell separation	RUO	5 mL	<b>558142</b>
<b>T-Lymphocyte Enrichment Set</b>	Human	CD11b/Mac-1, CD16, CD19, CD36, CD41a, CD56, CD235a biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>557874</b>
<b>CD8 T-Cell Enrichment Set</b>	Human	CD4, CD8, CD11b, CD36, CD123, CD235a, CD45RA, APC and PE CD45RO, and γδ TCR biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>560108</b>

### Mouse

DESCRIPTION	REACT	CONTENTS	APPS	REG	SIZE	CAT. NO.
<b>B-Lymphocyte Enrichment Set</b>	Mouse	CD4, CD43, TER-119/Erythroid cells biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>557792</b>
<b>CD4 T-Lymphocyte Enrichment Set</b>	Mouse	CD8a, CD11b, CD45R/B220, CD49b, TER-119/Erythroid cells biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>558131</b>
<b>CD8 T-Lymphocyte Enrichment Set</b>	Mouse	CD4, CD11b, CD45R/B220, CD49b, TER-119/Erythroid cells biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>558471</b>
<b>Dendritic Cell Enrichment Set</b>	Mouse	CD2, CD3e, CD45R/B220, CD49b, CD147, LY-6G and LY-6C, TER-119/Erythroid cells biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>557955</b>
<b>Hematopoietic Progenitor Cell Enrichment Set</b>	Mouse	CD3e, CD11b, CD45R/B220, LY-6G and LY-6C, TER-119/Erythroid cells biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>558451</b>
<b>NK Cell Enrichment Set</b>	Mouse	CD4, CD5, CD8a, CD19, CD24, LY-6G and LY-6C, TER-119/Erythroid cells biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>557954</b>
<b>T-Lymphocyte Enrichment Set</b>	Mouse	CD11b, CD45R/B220, CD49b, TER-119/Erythroid cells biotinylated antibody cocktail and BD IMag SAv particles	Cell separation	RUO	5 mL	<b>557793</b>

## BD IMag™ Reagents for Positive Selection

### Human

DESCRIPTION	REACT	CLONE	APPS	REG	SIZE	CAT. NO.
CD3 Magnetic Particles	Human	HIT3a	Cell separation	RUO	5 mL	552593
CD4 Magnetic Particles	Baboon, Cynomolgus, Human, Rhesus	L200	Cell separation	RUO	5 mL	557767
CD8 Magnetic Particles	Human, Rhesus	SK1	Cell separation	RUO	5 mL	557766
CD11c Magnetic Particles	Human	S-HCL-3	Cell separation	RUO	5 mL	558705
CD14 Magnetic Particles	Human, Rhesus	MφP9	Cell separation	RUO	5 mL	557769
CD19 Magnetic Particles	Human	4G7	Cell separation	RUO	5 mL	558497
CD19 Magnetic Particles	Human	HIB19	Cell separation	RUO	5 mL	551520
CD25 Magnetic Particles	Human	2A3	Cell separation	RUO	5 mL	558005
CD45RA Magnetic Particles	Human	HI100	Cell separation	RUO	5 mL	557981
CD45RO Magnetic Particles	Human	UCHL1	Cell separation	RUO	5 mL	557986
CD56 Magnetic Particles	Human	NCAM16.2 (also known as NCAM 16)	Cell separation	RUO	5 mL	557775

### Mouse

DESCRIPTION	REACT	CLONE	APPS	REG	SIZE	CAT. NO.
CD4 Magnetic Particles	Mouse	GK1.5	Cell separation	RUO	10 mL	551539
CD8a Magnetic Particles	Mouse	53-6.7	Cell separation	RUO	10 mL	551516
CD11b Magnetic Particles	Mouse	M1/70	Cell separation	RUO	10 mL	558013
CD45R/B220 Magnetic Particles	Mouse	RA3-6B2	Cell separation	RUO	10 mL	551513
CD90.2 (Thy1.2) Magnetic Particles	Mouse	30-H12	Cell separation	RUO	10 mL	551518
CD117 Magnetic Particles	Mouse	2B8	Cell separation	RUO	5 mL	558620
Ly-6G and Ly-6C (Gr-1) Magnetic Particles	Mouse	RB6-8C5	Cell separation	RUO	10 mL	558111
NK Cell Separation Set	Mouse	DX5	Cell separation	RUO	10 mL	558004
Ter-119 Magnetic Particles	Mouse	TER-119	Cell separation	RUO	5 mL	558536

### Rat

DESCRIPTION	REACT	CLONE	APPS	REG	SIZE	CAT. NO.
CD4 Magnetic Particles	Rat	OX-38	Cell separation	RUO	5 mL	558543
CD8 Magnetic Particles	Rat	G28	Cell separation	RUO	5 mL	558672

## BD IMag™ Supporting Products

DESCRIPTION	REACT	CLONE	APPS	REG	SIZE	CAT. NO.
Streptavidin Particles Plus			Cell separation	RUO	5 mL	557812
R-Phycoerythrin (PE) Magnetic Particles		E31-1459	Cell separation	RUO	5 mL	557899
Allophycocyanin (APC) Magnetic Particles		E30-221	Cell separation	RUO	5 mL	557932
Mouse IgG1 Magnetic Particles	Mouse	A85-1	Cell separation	RUO	5 mL	557983
Rat Ig <sub>κ</sub> Light Chain Magnetic Particles	Rat	MRK-1	Cell separation	RUO	5 mL	558002
Buffer (10X) for use with BD IMag cell separation products			Cell separation	RUO	100 mL	552362
Cell Separation Magnet			Cell separation	RUO	1 Each	552311

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