

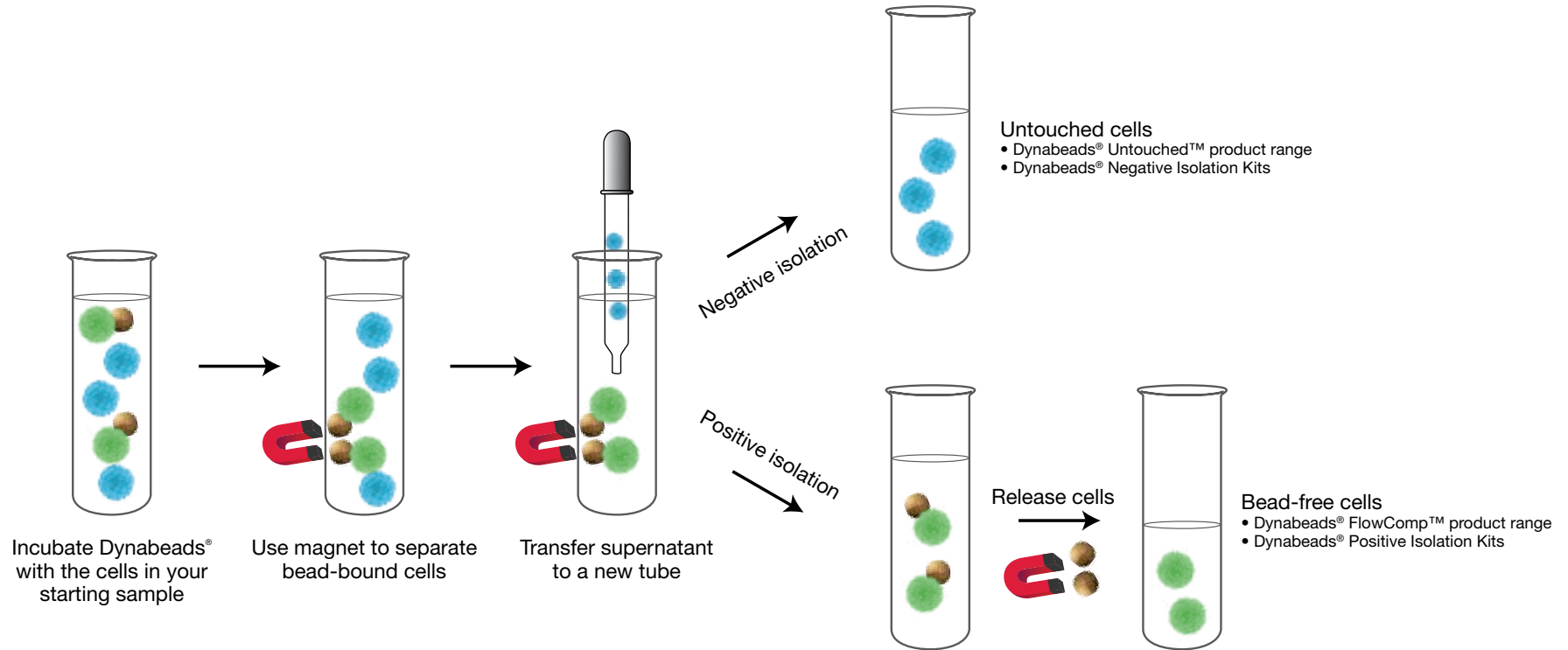
# Cell concentrations in human and mouse samples

Major cell populations	Adult human blood (typical number/L)	Human PBMC* (typical number/L)	Mouse spleen (typical number/spleen)	Mouse lymph nodes
Red blood cells	$\sim 5 \times 10^{12}$	NA <sup>†</sup>	$\sim 2.5\text{--}5 \times 10^{10}$	Variable
Platelets	$\sim 3 \times 10^{11}$	NA <sup>†</sup>	NA <sup>†</sup>	NA <sup>†</sup>
White blood cells	$\sim 7 \times 10^9$	$\sim 1\text{--}2 \times 10^9$ per L human blood	$\sim 1 \times 10^8$	Variable
<b>Typical % distribution in white blood cells</b>				
T cells	15–34% ( $\sim 2 \times 10^9$ )	40–60%	30–35%	60–70%
CD4 <sup>+</sup> T cells	$\sim 70\%$ of T cells	$\sim 70\%$ of T cells	$\sim 70\%$ of T cells	$\sim 70\%$ of T cells
CD8 <sup>+</sup> T cells	$\sim 30\%$ of T cells	$\sim 30\%$ of T cells	$\sim 30\%$ of T cells	$\sim 30\%$ of T cells
B cells	$\sim 2\text{--}10\%$ ( $\sim 0.5 \times 10^9$ )	3–15%	45–50%	30%
NK cells	$\sim 2\%$ ( $\sim 0.1 \times 10^9$ )	$\sim 10\%$	$\sim 10\%$	Rare
Neutrophils	45–75% ( $\sim 5 \times 10^9$ )	NA <sup>†</sup>	5–10%	<5%
Monocytes	4–10% ( $\sim 0.4 \times 10^9$ )	15–35%		
Eosinophils	1–7% ( $\sim 0.2 \times 10^9$ )	NA <sup>†</sup>		
Basophils	0–2% ( $\sim 0.04 \times 10^9$ )	NA <sup>†</sup>		

\* PBMC, peripheral blood mononuclear cells. † NA = Not applicable.

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