







ell type	Occurrence in blood (cells per mm³)	Cell anatomy*	Function
rythrocytes ed blood cells)	4–6 million	Salmon-colored biconcave disks; anucleate; literally, sacs of hemoglobin; most organelles have been ejected	Transport oxygen bound to hemoglobin molecules; also transport small amount of carbon dioxide
)	ed with Wright's stain.	of hemoglobin; most organelles	

	Occurrence			
Cell type	in blood (cells per mm³)	Cell anatomy*	Function	
Leukocytes (white blood cells)	4,800-10,800			
Granulocytes • Neutrophils	3,000–7,000 (40–70% of WBCs)	Cytoplasm stains pale pink and contains fine granules, which are difficult to see; deep purple nucleus consists of three to seven lobes connected by thin strands of nucleoplasm	Active phagocytes; number increases rapidly during short-term or acute infections	
Eosinophils	100–400 (1–4% of WBCs)	Red coarse cytoplasmic granules; figure-8 or bilobed nucleus stains blue-red	Kill parasitic worms by deluging them with digestive enzymes; play a complex role in allergy attacks	
Basophils	20–50 (0–1% of WBCs)	Cytoplasm has a few large blue- purple granules; U- or S-shaped nucleus with constrictions, stains dark blue	Release histamine (vasodilator chemical, at sites of inflammation; contain heparin, an anticoagulant	



















