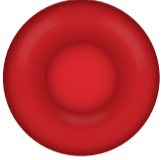





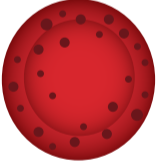
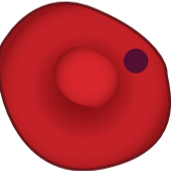
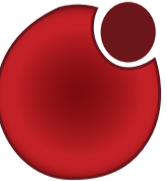
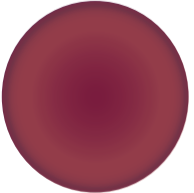
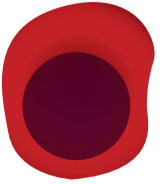
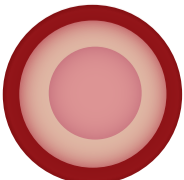


Canine Red Blood Cell Morphology Review

RED CELL TYPE		Changes associated with...
	Normal	Normal
	Acanthocytes (spur cells)	Hepatic Lipidosis, Hemangiosarcoma
	Echinocyte (crenation, burr cells)	Sample Artifact, Renal Disease, Lymphosarcoma
	Spherocyte	Lack Central Pallor, Hemolytic Anemia, Transfusion Mismatch
	Keratocyte (helmet cells, blister cells)	Hemangiosarcoma, Neoplasia, Glomerulonephritis, Liver Disease
	Schistocyte	DIC, Hemangiosarcoma, Iron Deficiency
	Basophilic Stippling	Residual RNA, Response to Anemia, Lead Poisoning
	Howell-Jolly Bodies	Nuclear Remnants, Response to Anemia
	Heinz Bodies	Denatured Hemoglobin, Lymphosarcoma, Hyperthyroidism, Diabetes Mellitus and even Normal in Cats
	Macrocyte	Young Erythrocytes, Associated with Regenerative Anemia
	Nucleated Erythrocytes	Response to Anemia
	Codocyte (target cells)	Liver Disease, Hypothyroidism