

Characteristics of Cardiac Muscle

Striated	Thin filaments contain tropomyosin and troponin
contains an abundance of mitochondria and myoglobin	possess T-tubules and sarcoplasmic reticulum
Displays pacemaker activity initiating its own action potentials	Connected by gap-junctions
Innervated by autonomic neuronal fibers	action potentials are longer in duration than both smooth and skeletal muscle

Flow of Blood in Heart

Oxygen-poor blood enters right atrium via the inferior and superior vena cava veins.	Left atrium receives oxygen-rich blood via left and right pulmonary veins
Right ventricle receives the oxygen-poor blood and pumps it into the pulmonary artery which is then	Oxygen-rich blood is received at the left ventricle and pumped into the aorta



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