

# Structure of the Heart

## Laboratory Exercise 41

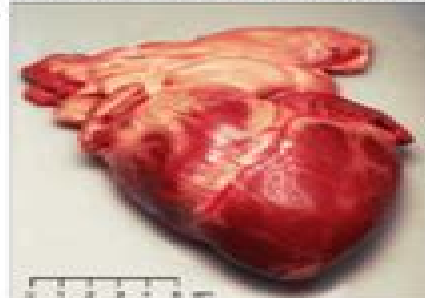
### Background

The heart is a muscular pump located within the mediastinum and rests upon the diaphragm. It is enclosed by the lungs, thoracic vertebrae, and sternum. Attached at its top (the base) are several large blood vessels. Its distal end extends downward to the left and terminates as a bluntly pointed apex.

The heart and the proximal ends of the attached blood vessels are enclosed by a double-layered pericardium. The inner layer of this membrane (visceral pericardium) consists of a thin covering that is closely applied to the surface of the heart, whereas the outer layer (parietal pericardium with fibrous pericardium) forms a tough, protective sac surrounding the heart.

### Materials Needed

Textbook  
Dissectible human heart model  
Fresh pig heart  
Dissecting tray  
Dissecting instruments  
Disposable gloves



### Purpose of the Exercise

Review the structural characteristics of the human heart and examine the major features of a mammalian (pig) heart.

### Procedure A – The Human Heart

1. Label figures 41.1, 41.2, and 41.3.
2. Examine the heart model and locate the following features: heart, epicardium, myocardium, endocardium, atria, ventricles, A-V valves, chordae tendineae, papillary muscles, superior vena cava, inferior vena cava, pulmonary trunk, pulmonary arteries, pulmonary veins, aorta, semilunar valves.
3. Complete Part A of the laboratory report.

# Lab Exercise 40 Heart Structure

**L Reisser**



## **Lab Exercise 40 Heart Structure:**

Uncover the mysteries within Explore with is enigmatic creation, **Lab Exercise 40 Heart Structure** . This downloadable ebook, shrouded in suspense, is available in a PDF format ( PDF Size: \*). Dive into a world of uncertainty and anticipation. Download now to unravel the secrets hidden within the pages.

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