

E. P. Heart

Reference Manual



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The E.P. Heart, HE-2300 is a lifelike heart model that realistically simulates a human heart. It is specifically designed for training professionals in the practice of electrophysiology.

This simulator should provide many years of training when reasonable care and maintenance is practiced.

Items Included:

- (1) HE-2300 E.P. Heart
- (1) Stand

Features:

- Two times life-size
- 60 coded structures
- All four chambers open for internal viewing
- Allows for lead placement in right atrial appendage, right ventricle, orifice of coronary sinus, through the ASD/patent ovale and positioned in the left ventricle
- Allows for a multipolar E.P. catheter to be positioned in the orifice of the coronary sinus
- ASD allows the appropriate catheter to be placed across the interatrial septum when the lead is advanced through Inferior Vena Cava
- Brachiocephalic (Innominate Vein)
- All four chambers open, as well as:
 - Superior Vena Cava
 - Aorta
 - Aortic Valve
 - Inferior Vena Cava
 - Orifice of Coronary Sinus
 - Atrial Septal Defect

Key Code:

1. Right atrium
2. Auricle of right atrium
3. Right ventricle
4. Left atrium
5. Auricle of left atrium
6. Left ventricle
7. Superior vena cava
8. Inferior vena cava
9. Brachiocephalic (innominate) veins
10. Inferior thyroid vein
11. Azygos vein
12. Pulmonary trunk
13. Left pulmonary artery
14. Right pulmonary artery
15. Pulmonary veins
16. Aorta
17. Brachiocephalic trunk (innominate artery)
18. Left common carotid artery
19. Left subclavian artery
20. Ligamentum arteriosum
21. Intercostal arteries
22. Right coronary artery
23. Anterior right atrial branch of right coronary artery
24. Superior vena caval (nodal) branch of right atrial artery
25. Right marginal artery
26. Posterior interventricular (posterior descending) artery
27. Left coronary artery
28. Anterior interventricular (anterior descending) artery
29. Diagonal branch of anterior interventricular artery
30. Circumflex branch of left coronary artery
31. Left marginal artery
32. Anterior cardiac veins
33. Great cardiac vein
34. Coronary sinus
35. Posterior vein of left ventricle
36. Oblique vein of left atrium
37. Middle cardiac vein
38. Small cardiac vein
39. Trachea
40. Left and right bronchi
41. Esophagus
42. Valve of inferior vena cava

43. Orifice of coronary sinus
44. Fossa ovalis
45. Valve of foramen ovalis
46. Sinoatrial (SA) node
47. Atrioventricular (AV) node
48. Crista terminalis
49. Pectinate muscles
50. Tricuspid valve
51. Bicuspid (mitral) valve
52. Pulmonic valve
53. Aortic valve
54. Supraventricular crest
55. Moderator band
56. Septal band
57. Papillary muscles
58. Trabeculae carneae
59. Left and right branches of the atrioventricular bundle
(of His)
60. Purkinje fibers
61. Muscular interventricular septum

Periodic Maintenance:

Periodically gently clean the heart model using a soft cloth, mild soap and water. Store the model in a dry environment.

For other service needs, contact your local Laerdal Technical Service Center.

