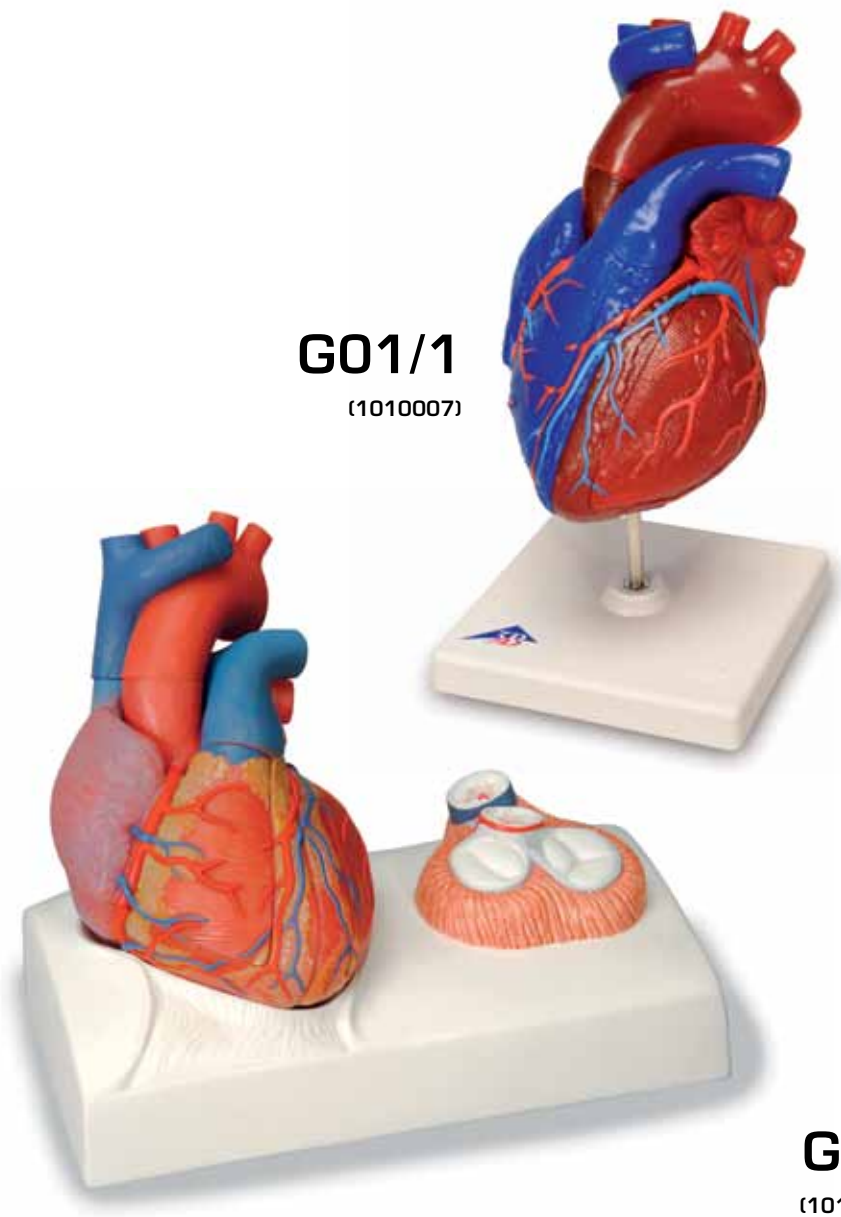
...going one step further

G01/1

(1010007)



G01

(1010006)

G01 5-part Heart Model on a Stand
G01/1 5-part Heart Model

G01

Our heart has four cardiac valves.The bicuspid valves (atrioventricular valves) are situated between the atria and the ventricles, the tricuspid valve is located between the right atrium and ventricle and the mitral valve is located between the left atrium and ventricle. The semilunar valves are located on the outflow tracts of the ventricles. The pulmonary valve is located between the right ventricle and the truncus pulmonalis, while the aortic valve is situated between the left ventricle and the ascending aorta. Diseases in the area of the cardiac valves can, among other things, lead to a narrowing of the valve (stenosis) or the inability of the valve to close (insufficiency). Our model includes a detailed representation of the valves within an anatomically accurate detailed dissectable heart..

G01/1

The human heart is the central organ in the blood circulatory system. While at rest it pumps barely five litres of blood per minute through our body. Blood that is low in oxygen passes through the right atrium to the right ventricle, which in turn pumps it towards the right lung. Here, the blood is enriched with oxygen and then passes via the left atrium and the left ventricle into the circulatory system. This path can be easily seen thanks to our G01/1 model which may also taken apart. So that the student can clearly understand the process, the areas carrying oxygenated blood are shown in red, while the areas that are low in oxygen are displayed in blue. Of course, all other anatomical structures such as the papillary muscles and the cardiac valves are shown in accurate detail, making it easy to learn about and understand how the heart works.

A Partial view of the heart
B Partial view of the heart
C Right atrium, right ventricle
D Left atrium, left ventricle
E View of the removable parts
F Valve area

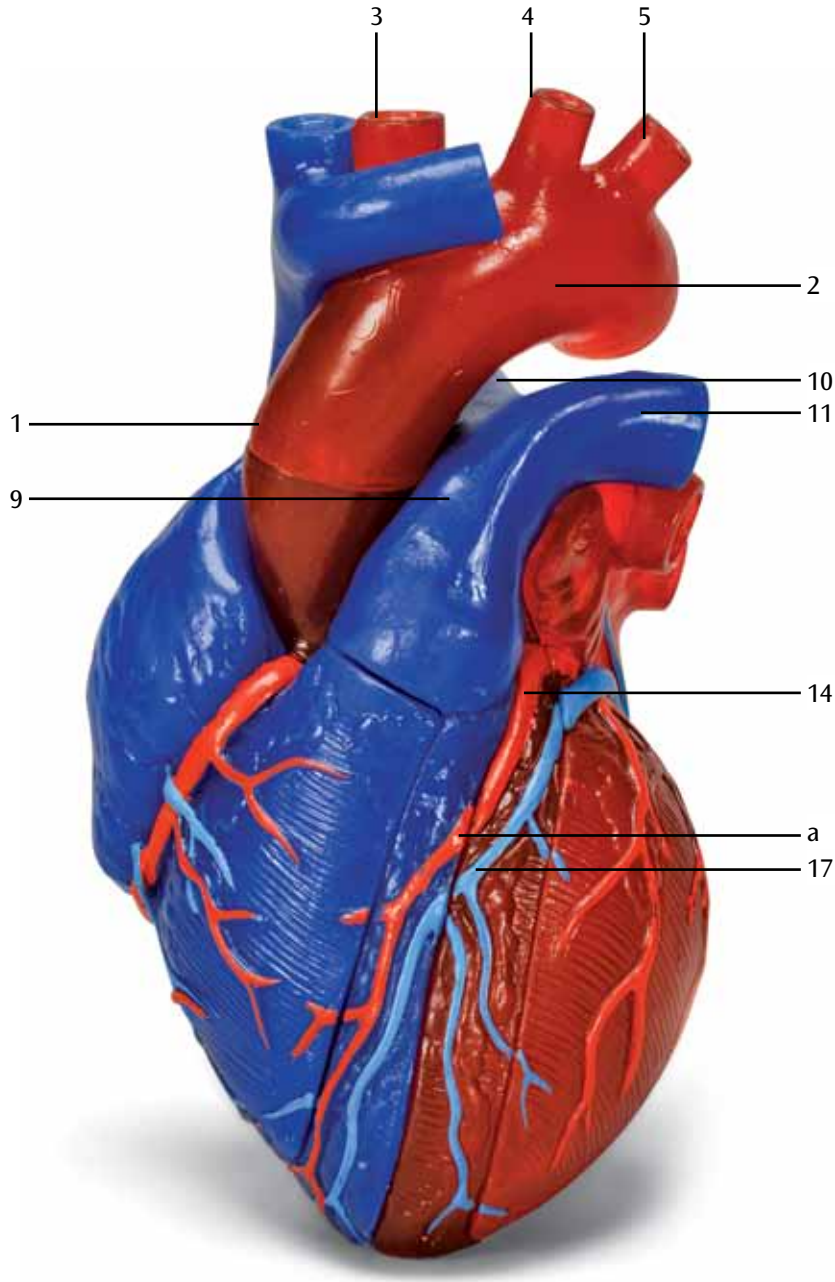
G01 | G01/1:

1 Ascending aorta
2 Aortic arch
3 Brachiocephalic trunc
4 Common carotid artery
5 Subclavian artery
6 Superior vena cava
7 Right brachiocephalic vein
8 Left brachiocephalic vein
9 Pulmonary trunk
10 Right pulmonary artery
11 Left pulmoary artery
12 Right ventricle
13 Left ventricle
14 Left coronary artery
a Anterior interventricular branch
15 Apex of heart
16 Right coronary artery
b Posterior interventricular branch
17 Great cadiac vein
18 Right atrium
19 Inferior vena cave
20 Tricuspid valve
21 Papillary muscles
22 Pulmonary valve
23 Left atrium
24 Coronary sinus
c Middle cardiac vein
25 Mitral valve
26 Muscular part of interventricular septum

only G01:

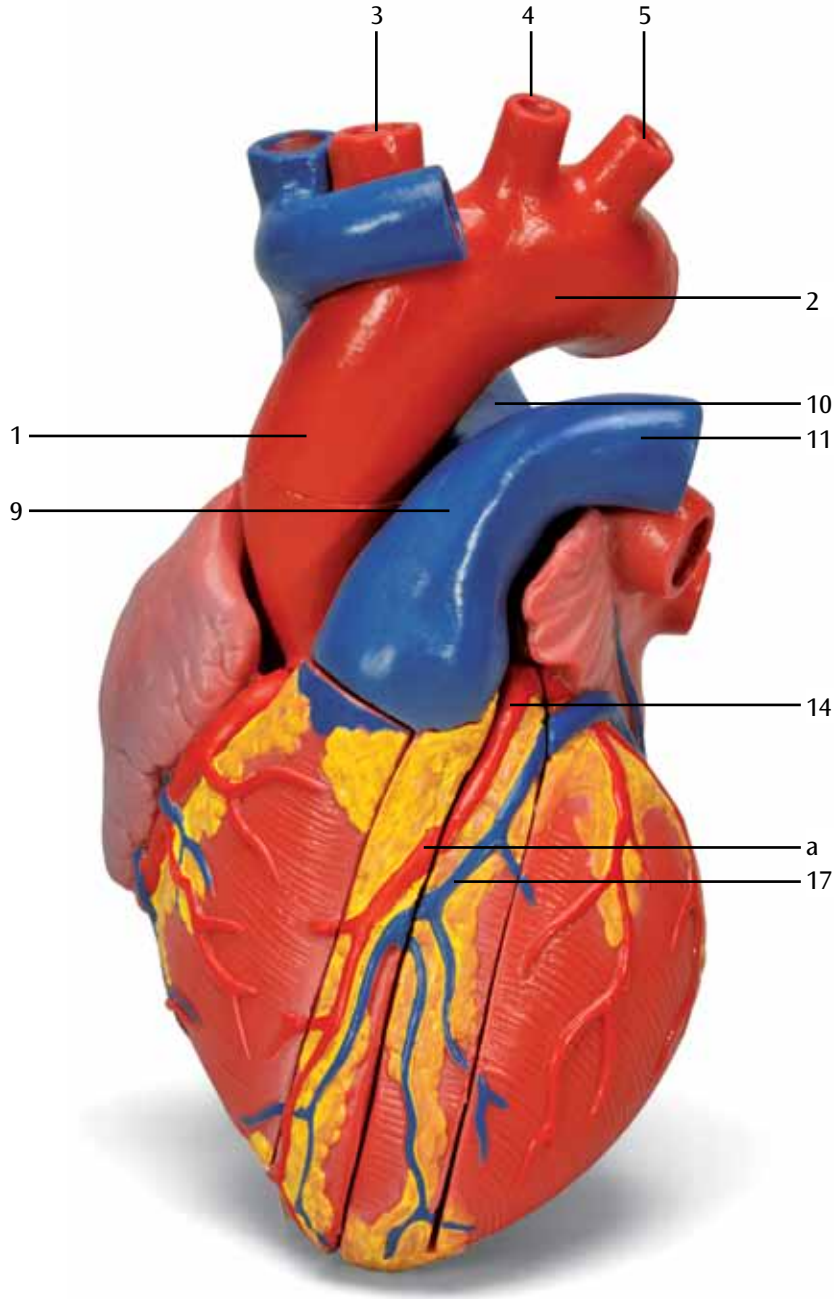
27 Tricuspid valve
I Anterior cusp
II Posterior cusp
III Septal cusp
28 Pulmonary valve
IV Anterior semilunar cusp
V Right semilunar cusp
VI Left semilunar cusp
29 Mitral valve
VII Anterior cusp
VIII Posterior cusp
30 Aortic valve
IX Right semilunar cusp
X Posterior semilunar cusp
XI Left semilunar cusp
31 Right fibrous trigone
32 Left fibrous trigone
33 Right fibrous ring
34 Left fibrous ring

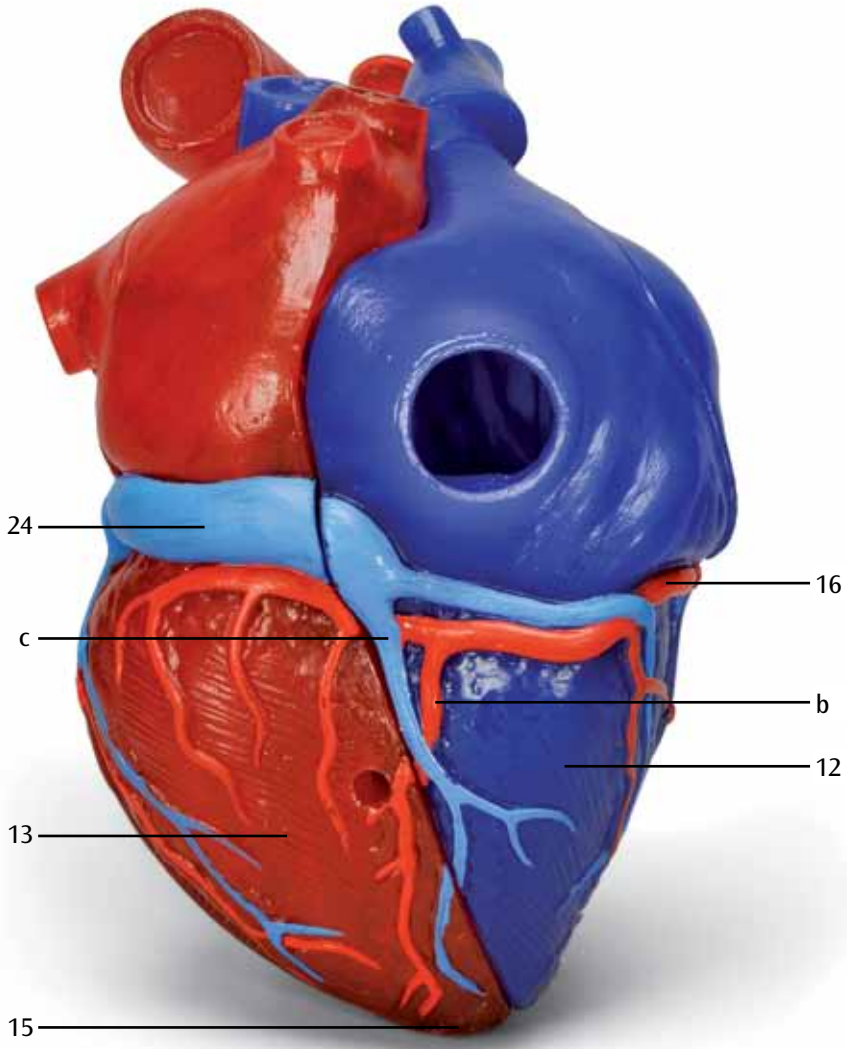
A

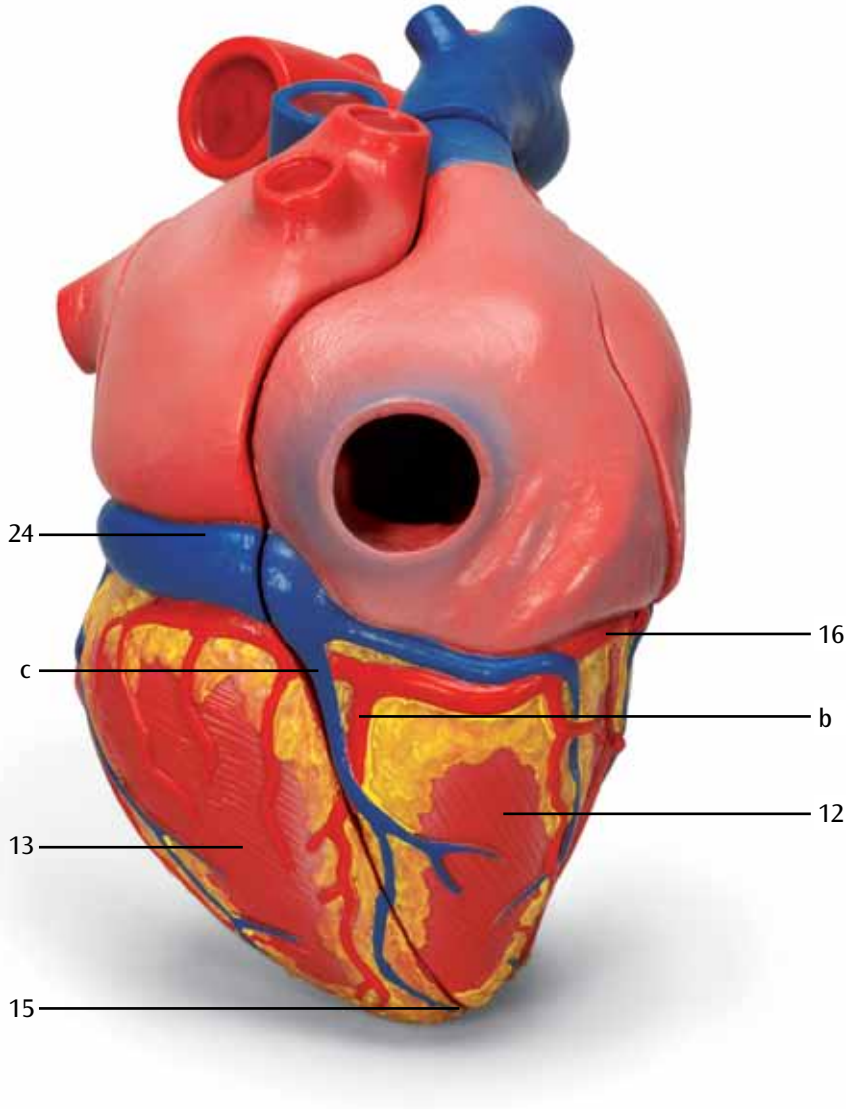


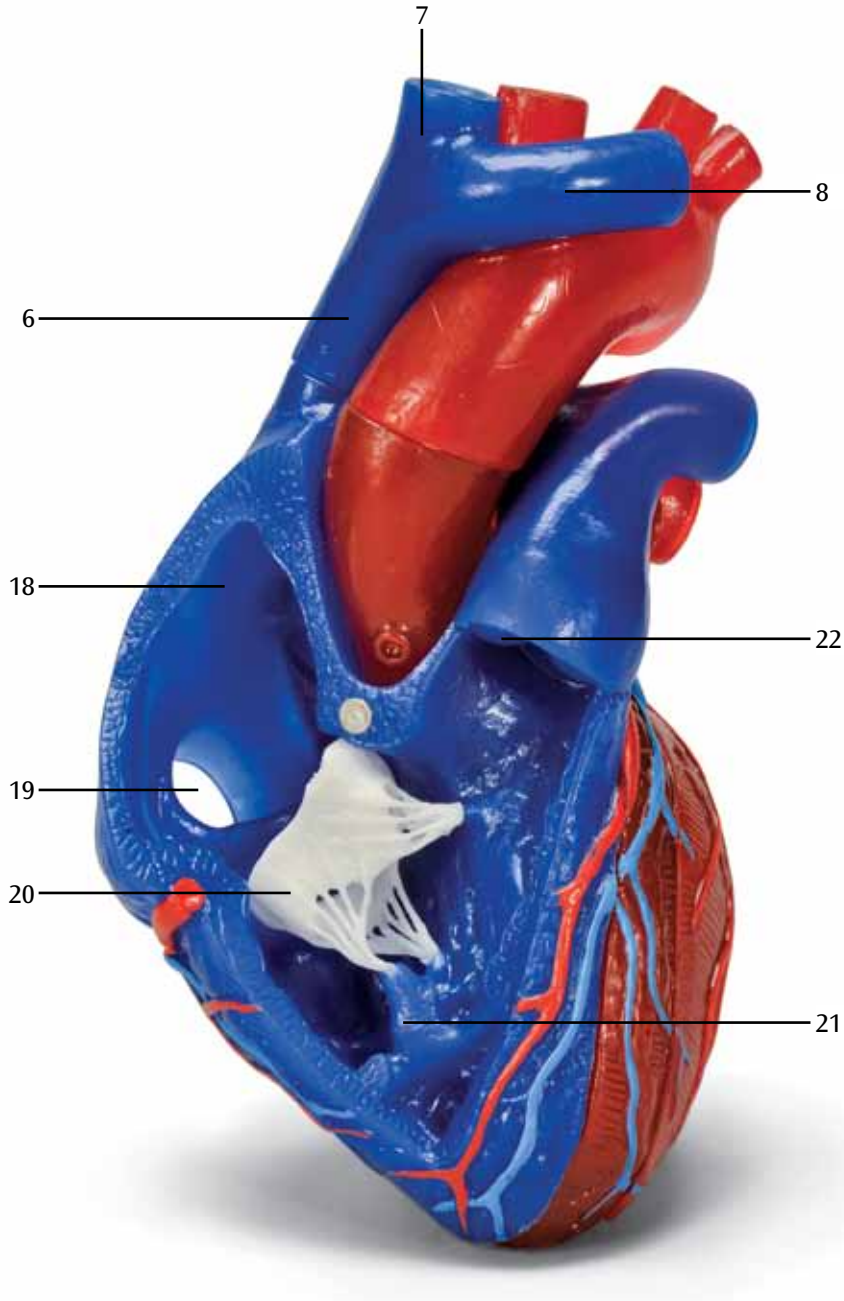
A

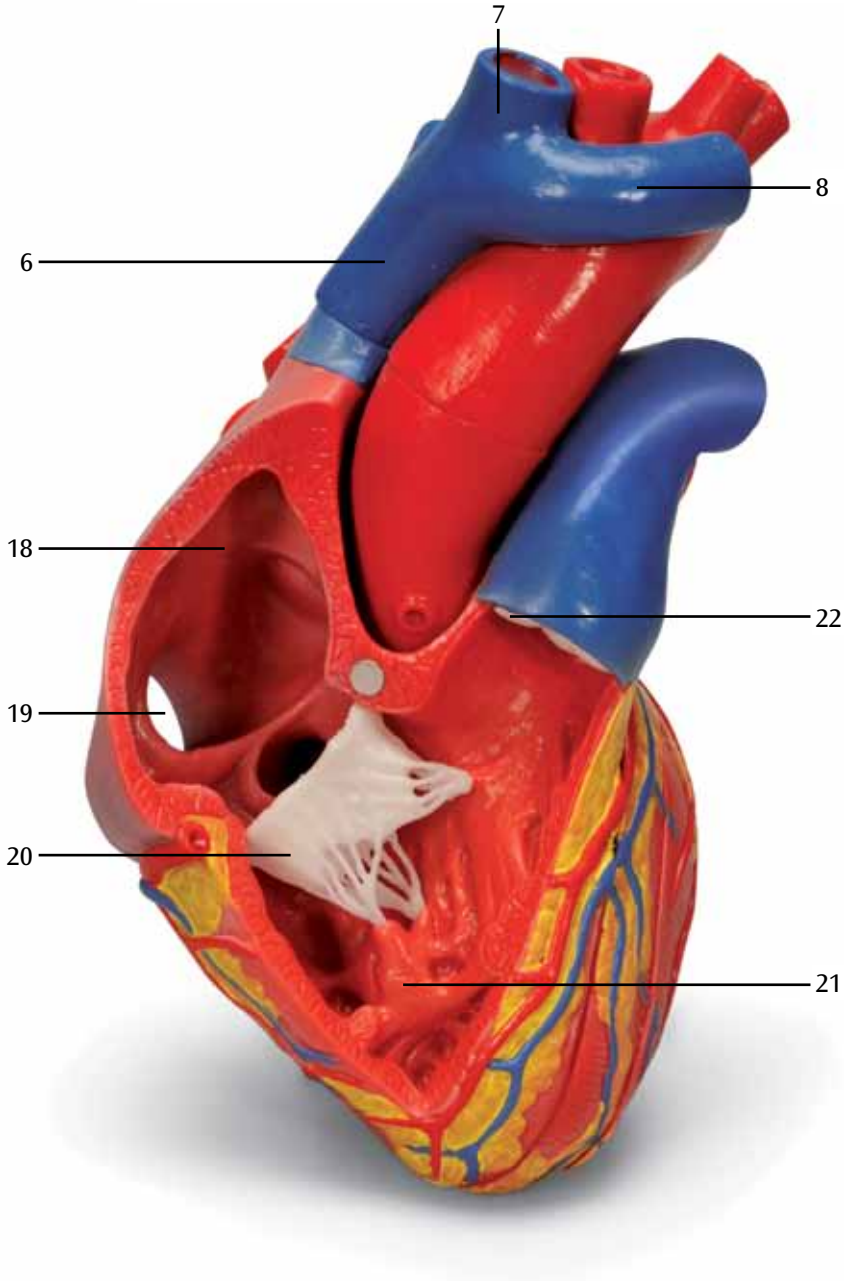
G01

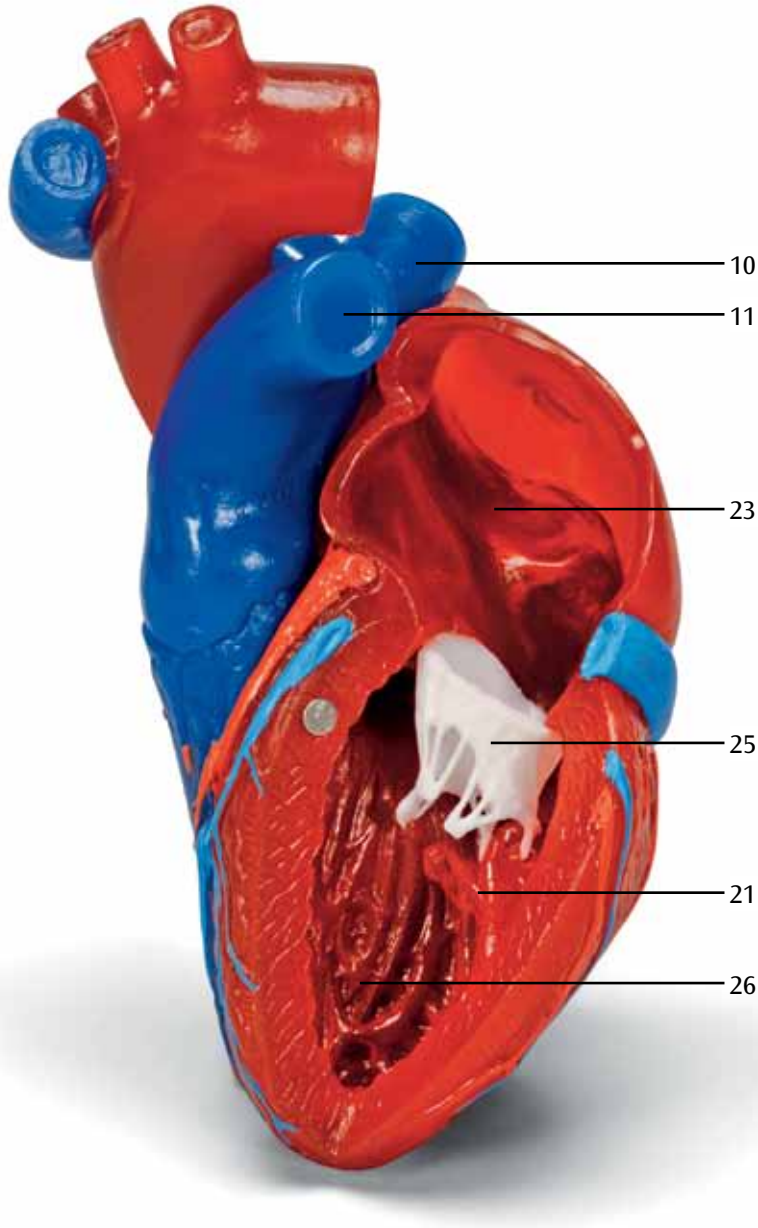


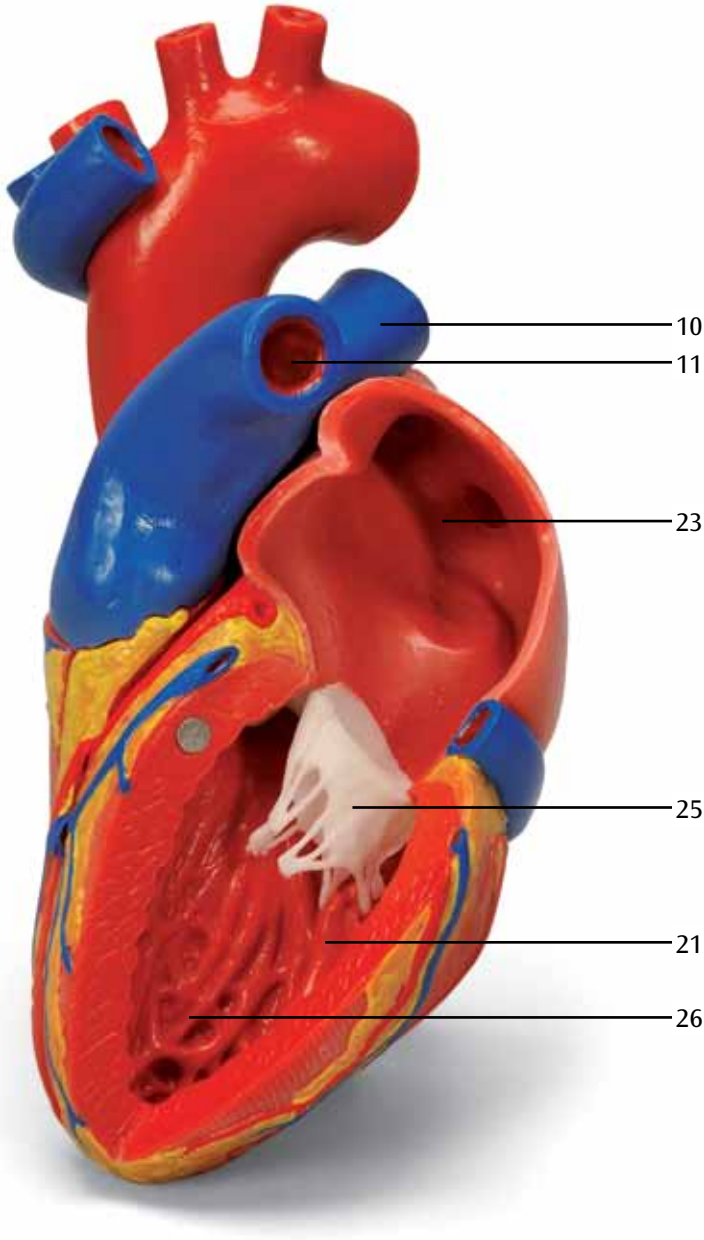

24
16
c
b
12
13
15


24
c
13
15
16
b
12

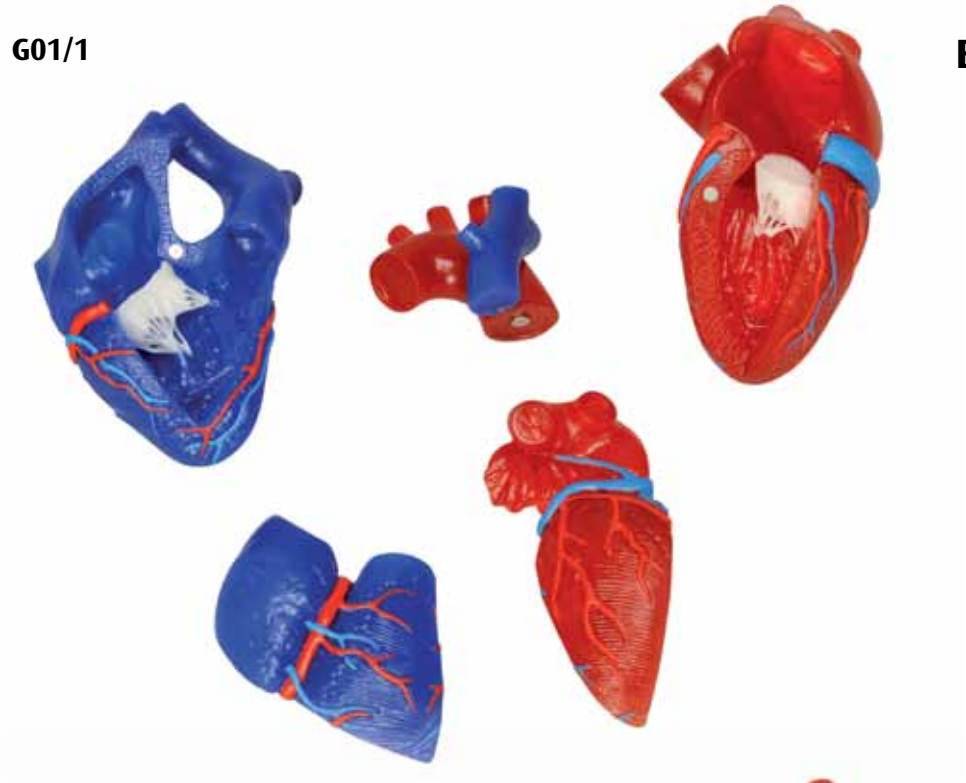

7
8
6
18
22
19
20
21


7
8
6
18
22
19
20
21

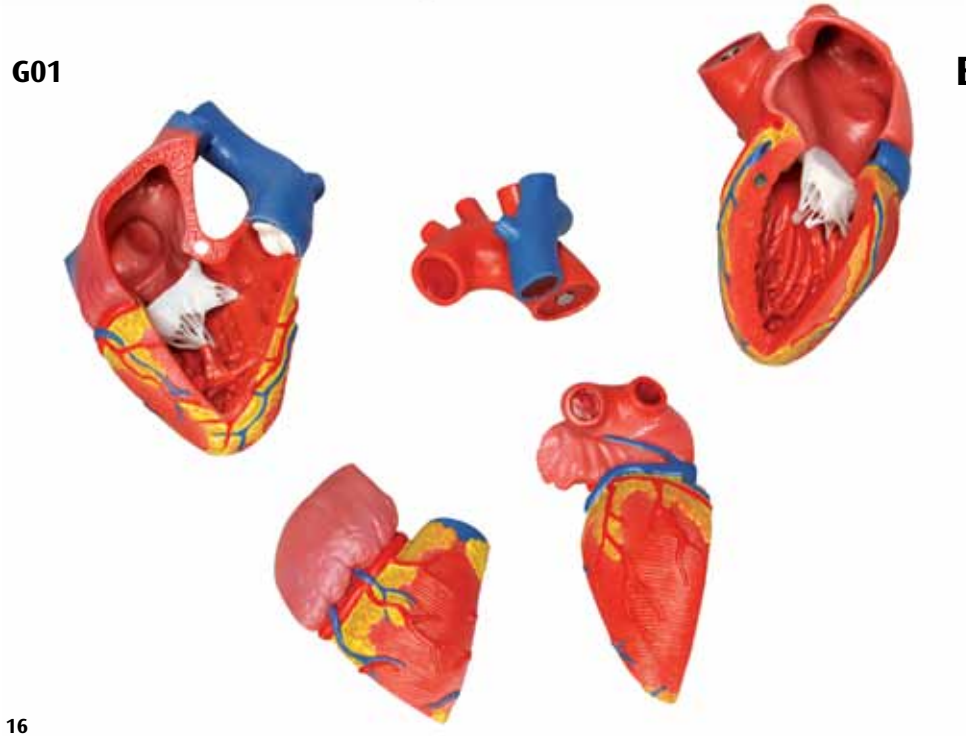

10
11
23
25
21
26

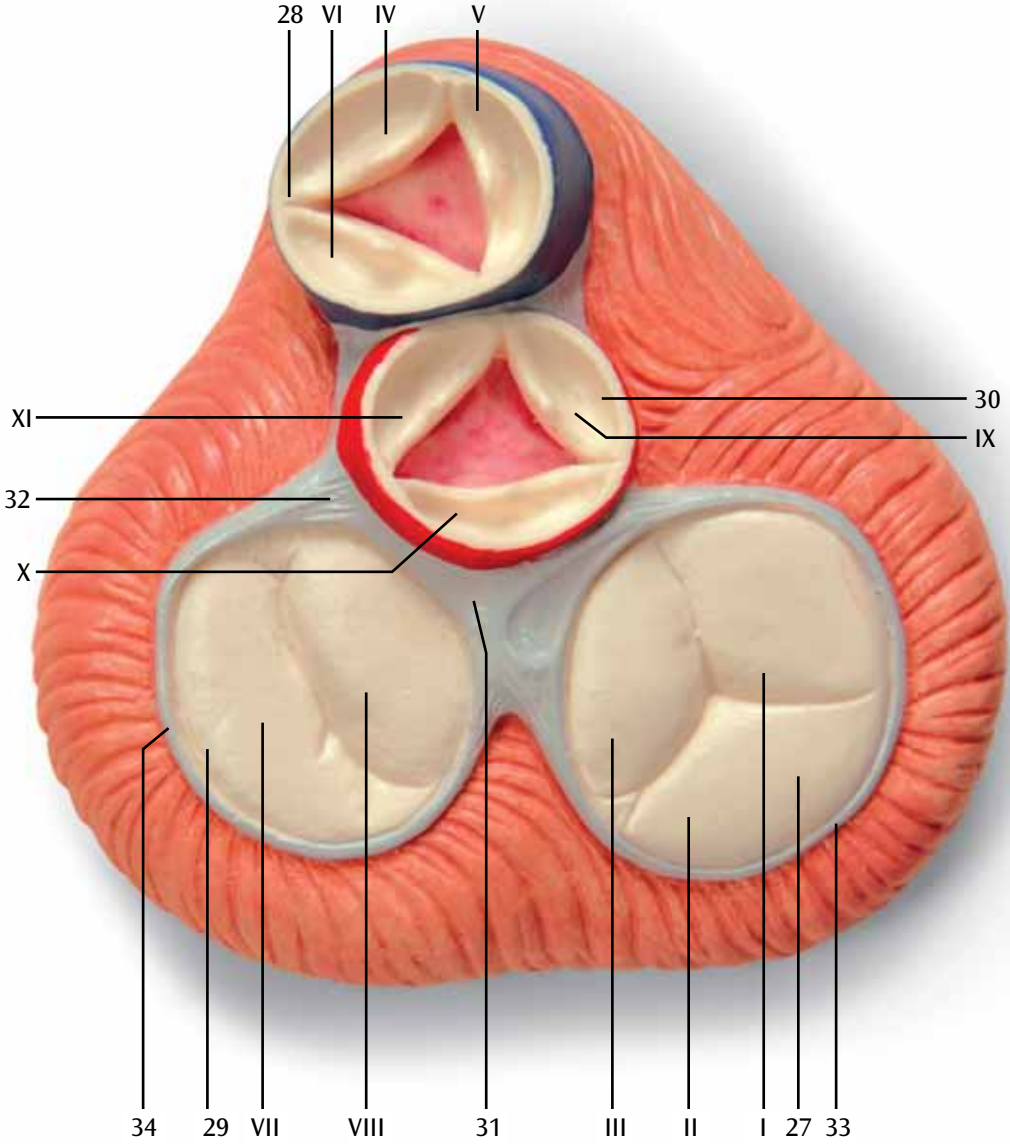

10
11
23
25
21
26

G01/1 **E**



G01 **E**




28
VI
IV
V
XI
30
IX
32
X
34
29
VII
VIII
31
III
II
I
27
33

G01_G01/1 (1010006_1010007)-12/12-2

3B Scientific

4007916