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

**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