

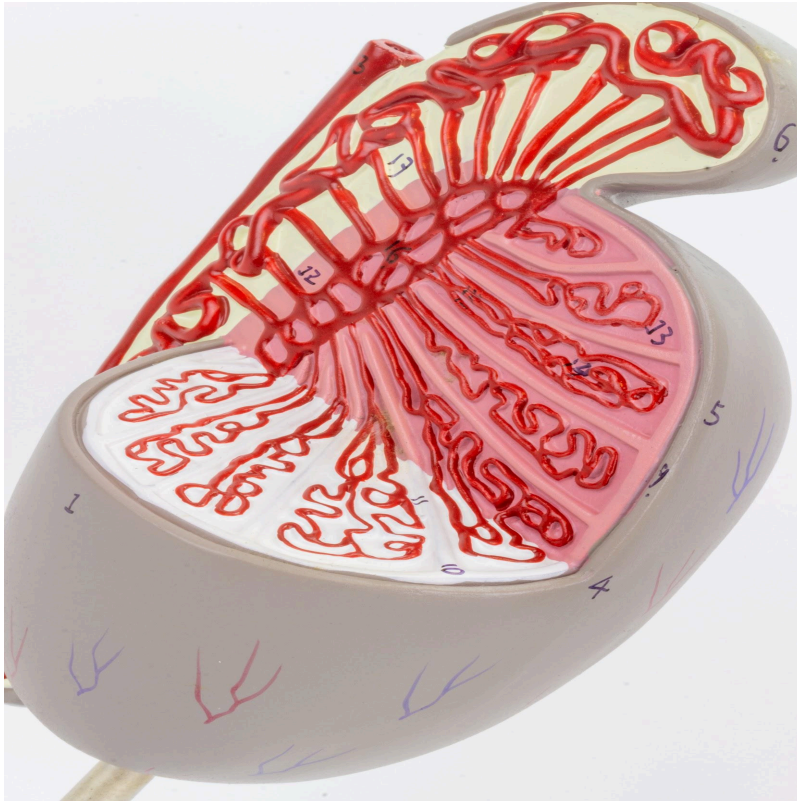
**MG31912 | HUMAN TESTICLE, 3.5 TIMES
ENLARGED**





Nasco
HEALTHCARE





This anatomical model shows a sagittal and medial section of the human testicle, enlarged 3.5 times its natural size, including the epididymis, vas deferens, seminiferous tubules, and adjacent testicular structures. Important anatomical structures are numbered and hand-painted in didactic colors to facilitate learning. The model is mounted on a polymer base with a metal support and rod.

Applications:

- * Anatomy study in schools and universities.
- * Surgical dissection training.
- * Aid in medical and scientific information.
- * Patient education and procedure demonstration.
- * Reproductive system study.
- * Classrooms.

Technical Advantages:

- * Detailed representation of the structures of the male reproductive system.
- * Numbering and hand-painting of anatomical structures.
- * Produced with high-quality resin, approved in toxicological tests.
- * Stable and durable synthetic material.



- * Original replicas, with high anatomical fidelity.
- * Includes an information card with related structures.

3D Technology and Augmented Reality:

Our anatomical models offer a visual complement through information cards that activate 3D models viewable in augmented reality (AR). This interactive platform assists learning, allowing comparative analysis of anatomical structures and offering resources for continuing education in anatomy, physiology, and pathophysiology.

Technical Specifications:

- * Material: Resin
- * Scale: 3.5 times natural size
- * High-precision natural molding
- * Manufactured from stable and durable synthetic material

Main Structures:

Testicle: Paired, oval organ responsible for the production of sperm and male sex hormones, such as testosterone. It is enveloped by the tunica albuginea.

Epididymis: Coiled tubular structure located on the posterior surface of the testicle, responsible for the storage and maturation of sperm.

Body of the epididymis: Intermediate portion of the epididymis, continuous with the head and tail.

Superior pole of the testicle: Upper extremity of the testicle, where the head of the epididymis attaches.

Head of the epididymis: Dilated upper extremity of the epididymis, where the efferent ductules of the testes converge.

Anterior border of the testicle: Anterior margin of the testicle, relatively smooth.

Tunica albuginea: Strong, white fibrous capsule that encloses the testicle.

Tunica vaginalis: Serosa that partially covers the testicle, derived from the peritoneum.

Lobules of the testes: Internal compartments of the testicle, separated by fibrous septa, containing the seminiferous tubules.



Seminiferous tubules: Highly coiled tubules within the testicular lobules, where spermatogenesis occurs.

Straight seminiferous tubules: Straight tubules that connect the seminiferous tubules to the rete testis.

Other structures can be verified directly on the physical piece or the interactive 3D model.

About the Anatomical Models:

They are developed with resin replication technology, supplying the scarcity of natural anatomical pieces for teaching and research. They present all the essential morphological characteristics with excellent cost-benefit, good resistance, hand painting, and numbering for precise identification of structures.

List of all visible structures:

- Testicle
- Epididymis
- Body of the epididymis
- Superior pole of the testicle
- Head of the epididymis
- Anterior border of the testicle
- Tunica albuginea
- Tunica vaginalis
- Lobules of the testes
- Seminiferous tubules
- Straight seminiferous tubules
- Rete testis
- Mediastinum testis
- Ductuli of the epididymis
- Efferent ductules of the testes
- Septum testis
- Vas deferens
- Tail of the epididymis