

## Equine Theriogenology Model

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: MZ02285



A realistic phantom in the form of a rump of a horse containing organs of the reproductive system of a mare. Intended for practices and sciences in the field of theriogenology, that is dealing with reproduction, including the physiology and pathology of the female reproductive systems of animals and the clinical practice of veterinary obstetrics, gynecology and andrology.

### Specification:

- The construction of the simulator is made of epoxy resin
- Soft, durable perineum panel
- Inflatable vinyl rectum with pump
- Artificial, removable tail
- Replica of polyurethane pelvis
- Palpable soft uterus with cervix, urethra and broad ligament
- 3 sets of easily replaceable ovaries; anestrus, estrus and estrus with follicles with storage case
- Approximate dimensions: 134cm x 80cm x 80cm
- Approximate weight: 45 kg

## Nasogastric Equine Intubation Model

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: MZ02557



A realistic trainer designed for learning and training nasogastric intubation in horses. Anatomically correct structure reflects realistic treatment sensations. It allows you to perform basic surgery training routinely performed in equine colic cases to decompress the stomach and provide therapy. This model can be secured with the head facing down first to avoid inserting the tube into the trachea. The nasogastric tube can then be inserted into the nose in the ventral and medial directions. As the tube reaches the throat, there is soft resistance as the tube contacts the esophageal opening. The horse's head can be bent up and down to open the airway or esophagus. The model includes both the esophagus and the trachea to ensure proper tube placement. You can touch the nasogastric tube above the left jugular vein and feel it travel along the neck under the skin to the stomach. The model also includes dorsal ("false nostrils") and abdominal ("true nostrils").

### Attention!

The photos are illustrative and the product may finally differ in appearance, e.g. colors.

The skull is produced in white or gray depending on the availability of materials.

## Equine Dystocia Simulator

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: MZ04022



The advanced, multifunctional, full size **mare birth simulator** (dystocia - severe childbirth) with the possibility of learning and training in nasogastric intubation, intravenous injections on the cervical vessels and intramuscular injections. **The veterinary simulator** is modeled on a typical Quarter Horse mare. Horses of this breed are characterized by a square, muscular figure and a short, wedge-shaped head - tapering wedge-shaped towards the bottom. The structure of the **mare anatomical model** is reinforced with epoxy steel/fiberglass and has a waterproof coating for easy cleaning.

### Mare Veterinary Simulator Specification:

- Modeled as a standard 15 hand Quarter Horse
- Steel reinforced epoxy/fibreglass construction with water resistant components for ease of cleaning
- 1.36m at the shoulder and 2.44m from nose to tail. Widest point is 0.8m
- Inflatable foal air bed support system
- Clear vinyl uterine bag
- Soft durable birthing perineum panel
- Replica pelvis
- Padded fetal extractor, obstetric chain, head snare and landing mat
- Comes standard in brown
- Custom markings available upon request

**Dystocia Training:** Students will gain confidence and develop familiarity with foal positioning and palpation. 34kg (75lbs) birthing foal size

- Rectal palpation • Durable, flexible and easy to clean skin
- Compatible with the equine uterus set for artificial insemination training upgrade kit and palpation of multi stage ovaries
- Realistic in size and aesthetically pleasing

### Module of nasogastric intubation and jugular vein injections and intramuscular injections:

- The module can be ordered and used as a separate simulation unit without the delivery panel.
- IV injection place with palpable veins that can withstand repeated punctures (20 or 22 gauge needle - recommended for simulation)
- Easily replaceable, durable latex venous tubing suitable for multiple punctures: set includes 5 sets of veins



- The mechanical system of increasing pressure allows for obtaining appropriate tension of the vessel in order to collect blood
- Durable, easy to remove, washable, replaceable skin with mane
- The place enabling intramuscular injections is adapted to multiple punctures and to accept injections with liquids
- Rolling Stand, adjustable for height, rostral tilt, and 90 degree rotation

#### REPLACEABLE PARTS:

- Birthing Perineum Panel
- Palpation Panel and Equine Uterus Set
- Standard Tail
- Uterine Bag
- Foal
- Veins
- Blood
- Neck Hide

#### UPGRADEABLE PARTS:

- Artificial Insemination techniques can be practiced with the purchase of the Palpation Panel With Equine Theriogenology Uterus Set. Equine uterus set includes interchangeable ovaries.

#### The animal models and veterinary simulators in the OpenMedis offer?

The **simulation in veterinary** medicine is a dynamically developing field of education. OpenMedis is a manufacturer and distributor of advanced **veterinary simulators** and **animal anatomical models**, which are ideal equipment for a veterinary laboratory (skills lab - clinical skills). The **veterinary simulators** enable the acquisition of practical skills in various procedures performed on real animals. The use of **veterinary simulators, animal trainers, anatomical models** and **animal phantoms** in the teaching process reduces the distance between theory and practice and reduces students' stress related to carrying out a given procedure on a living organism. The **animal simulators** are the future of veterinary medicine. Thanks to **veterinary simulators**, it is possible to train specific practical skills before going to work with real animals, which also increases the comfort of patients themselves and contributes to maintaining animal welfare. Our offer includes, among others, procedural **veterinary phantoms**, such as a **simulator for cattle insemination**, a **trainer for learning pig insemination**, a **cow dystocia simulator** or a **horse colic model**. Our offer also includes **animal models** for learning anatomy, e.g. a 15-piece cow model, a 16-piece mare model or a pig model made of 20 parts. In addition to farm animal simulators, our assortment also includes models and phantoms of pets, enabling e.g. training in CPR or injections in dogs and cats. Another modern solution is a **virtual platform for learning veterinary anatomy**, which will work well in any teaching facility (such as the University of Life Sciences) as equipment for a veterinary and zootechnical laboratory.

## Equine Nasogastric and Venipuncture with IM Injection veterinary simulator

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: MZ04040



The advanced, multi-purpose **horse head trainer** for learning and training intubation and performing intravenous and intramuscular injections. **The horse phantom** is delivered with an ergonomic tripod on wheels used to suspend the head of a **horse model** at the appropriate height. This practical **veterinary simulator** is made of realistic materials that faithfully reflect the appearance of a real horse. The internal structure of the presented **horse head trainer** has been constructed in a way that enables learning and training in the so-called conditions as much as possible high fidelity. **The horse head phantom** is intended to facilitate and accelerate learning and acquire practical clinical skills such as intubation of horses and intramuscular and intravenous injections. This reduces the stress of future veterinarians and technicians, as well as the animals themselves, related to performing the indicated activities on a living organism.

### Technical specification:

- The metal Rolling Stand
- Durable Silicone with metal armature
- Removable head for ease of transportation, and replacement of components
- Removable/washable hide covering. Can be replaced when worn
- Comes with 5 sets of replacement veins

### Product features:

- Replica nasal passageway that simulates anatomical structure while students practice passing the intubation tube via the esophagus
- Well rendered internal anatomy will allow the student to confirm tube placement in the esophagus via a visual reference site on the left side of the neck. Students can then continue to pass the tube into the stomach chamber
- Smell and or suction test can be performed to indicate proper placement of the tube in the stomach chamber
- Lavage technique and administration of fluids can be simulated
- Jugular venipuncture with palpable veins (20-22) gauge needle is recommended for simulation).
- Easily replaceable latex vein tubing that can endure multiple punctures for simulation purposes
- Mechanical vein pressurizing system allows for positive pressure for blood draw (20-22) gauge needle recommended for simulation).
- Intramuscular site that can endure multiple punctures and accept fluid injections
- Soft silicone head with flexible ears and well rendered anatomy enables students to locate facial injection sites.
- **The Head model** also accepts bit & bridle Rolling stand, adjustable for height, rostral tilt and 90 degree

rotation

## Replaceable parts:

- Veins
- Intramuscular Pads
- Mane
- Hide Covering
- Blood
- Blood Bag
- Stomach Chamber

## The application of horse veterinary simulators

The veterinary simulators available in our offer have been designed to enable realistic training and education in high-fidelity conditions. They are ideal as equipment for clinical skills laboratories or veterinary and zootechnical laboratories. The presented **horse head veterinary phantom** allows you to improve and develop the following skills:

- performing intubation
- learning the anatomy head region and locating characteristic landmarks
- performing venopuncture learning and training in intramuscular injections
- learning and training in collecting blood from the jugular veins
- gastric lavage and administration of fluids putting on

We offer various **horse models** and **animal phantoms** for advanced training in the field of veterinary medicine. Our **animal anatomical models** allow you to learn the topographic anatomy of organs and the relationships between them, e.g. the **mare model**. It is worth pointing out that some of our products are **advanced veterinary simulators** enabling demonstration of colic in horses, education in the field of sea diseases, mare dystocia or rectal examination (mare theriogenological model). Our dystocia foal model is perfect for educating how to deal with a newborn foal and for explaining issues related to mare's perinatal care.

## Dystocia Foal Model

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: MZ04038



The full-size, realistic **veterinary model** of a dystocia foal. This **veterinary trainer** enables practical learning how to deal with a newborn foal. **Product features:**

- Fully articulated steel skeleton, with ribcage, vertebrae, pelvis and spine
- Realistic movement; durable and flexible skin and tail
- Skull with jaw, teeth, soft palate
- Esophagus for intubation and palpable anus
- Reinforced ears and forelegs with durable hooves for chaining
- Realistic 34.1kg (75 lb) weight
- Standard brown
- Custom colours and marking available at an additional cost upon request
- Foal Bag for storage and transportation

## Equine Neck Venipuncture and Intramuscular Injection

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: VSI12



This advanced and realistic head simulator of equine on a tripod, designed for training and improving the skills of venipuncture and intramuscular injections.

### Main features:

- Jugular venipuncture with palpable veins
- Easily replaceable latex vein tubing that can endure multiple punctures; includes 5 sets of veins
- Mechanical system allows the veins to be pressurized
- Long lasting, easily removable, washable, replaceable hide covering with mane
- IM site that can endure multiple punctures and accept fluid injections
- Soft silicone head with flexible ears and well rendered anatomy illustrates facial injection sites and accepts a bridle
- Rolling Stand, adjustable for height, rostral tilt, and 90 degree rotation

### Replaceable Parts

- Veins
- Intramuscular Pads
- Mane
- Hide Covering



## Equine Nerve Block Trainer

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: MZ02554



The trainer in the form of a horse's limb is intended for learning how to perform peripheral nerve blocks with feedback informing about the correctness of the procedure performed. The model has realistic nerve palpation sensation and needle resistance.

## Veterinary simulator - Bovine Venipuncture and Epidural Tail Model

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: MZ04042



A realistic **veterinary simulator** allowing you to learn and improve your skills in performing tail vein puncture and epidural anesthesia in cattle. This **veterinary trainer** in the form of a **bovine tail** offers realistic sensations during venopuncturing and epidural procedures on cows. The **cow tail model** for injection, made of durable silicone, can be easily attached to advanced veterinary simulators, e.g. Hereford or Holstein dystocia, as well as to **theriogenological simulators**. The presented **veterinary trainer** contains palpable bones to increase realism. Thanks to a dedicated stand, it can be placed on a table at the appropriate height, making the training even more realistic and ergonomic. The device is ideal for **equipping a veterinary skills laboratory** for students and future veterinary technicians. **The bovine tail model** is available in two versions: brown or black. Set contains:

- realistic model of a bovine tail, fully movable
- stand
- artificial blood bag
- a tube simulating the tail vein
- a tube simulating epidural puncture place

The above components are also available as spare parts for this **veterinary simulator**.

## Equine Palpation/ Colic Simulator with Equine Neck Venipuncture and Intramuscular Injection

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: M01691



A realistic palpation horse simulator in natural size. It allows performing venipuncture and intramuscular injection. The simulator comes equipped with inflating latex intestines to familiarize students with the symptoms of colic and abdominal pain.

### Horse Body Features

- Modeled as a standard 15 hand Quarter Horse
- Steel reinforced epoxy/fibreglass construction with water resistant components for ease of cleaning
- 1.5m at the shoulder and 2.25m from nose to tail. Widest point is 0.6m
- 5 section inflatable latex GI Tract. Right and left ventral colon, right and left dorsal colon, and cecum. 3m section of small intestine with mount
- Spleen and left kidney attached with the renosplenic ligament. Palpable aorta capable of simulating a pulse
- Palpable soft uterus with cervix, urethra and broad ligament
- 3 sets of interchangeable ovaries; anestrus, estrus, and estrus with follicle
- Abdominocentesis function with replaceable pad; fluid reservoir and palpable linea
- Comes standard in black( Custom breed / paint available for an additional cost)
- Artificial, removable tail
- Soft, durable perineum panel
- Replica polyurethane pelvis
- Inflatable vinyl rectum
- Recycled plastic base

**The Equine Neck Venipuncture/IM Injection is removable from the horse body and may be used as a stand alone unit. Can be purchased separately.**

### Features include:

- Jugular venipuncture with palpable veins
- Easily replaceable latex vein tubing that can endure multiple punctures; includes 5 sets of veins
- Mechanical system allows the veins to be pressurized
- Long lasting, easily removable, washable, replaceable hide covering with mane
- IM site that can endure multiple punctures and accept fluid injections
- Soft silicone head with flexible ears and well rendered anatomy illustrates facial injection sites and accepts a bridle



- Rolling Stand, adjustable for height, rostral tilt, and 90 degree rotation

#### **Replaceable Parts**

- Veins
- Intramuscular Pads
- Mane
- Hide Covering
- Abdominocentesis pad
- GI Tract
- Perineum Panel with Equine Uterus
- Ovaries
- Spleen
- Kidney
- Aorta

## Advanced Equine Simulator

**Price inquiry:** +48 605999769, [kontakt@openmedis.pl](mailto:kontakt@openmedis.pl)

Product code: M01382



The Advanced Equine Simulator (in black) is the leading and most comprehensive equine simulator available. It has been designed to advance a comprehensive set of educational goals for the following procedures:

- Intramuscular Injections
- Nasolacrimal Duct Flush
- Placement of Subpalpebral Lavage System
- Eye Nerve Blocks – Auriculopalpebral Nerve & Supraorbital Nerve
- Teeth Nerve Blocks – Mental Nerve, Maxillary Nerve & Infraorbital Nerve
- Blood draw from jugular
- Jugular catheter insertion
- Blood draw from deep facial artery
- Blood draw from transverse facial vein
- Transverse facial artery catheter insertion

Repetitive use of this product will help students develop the procedural skills and confidence necessary before their first live animal experience. Ships with initial supply of artificial blood powder and 1000 ml IV bag. Designed by equine surgeon educators using innovative technologies, the Advanced Equine Simulator is engineered to provide the most anatomically correct and realistic simulated equine training experience available. The Advanced Equine Simulator delivers excellence in veterinary training.