

## Emma Cow - Advanced simulator for artificial insemination (AI) of the cow

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

Product code: MZ02390



The Simulator in the form of a cow's rump (female breeding cattle), natural dimensions, supported on a base with wheels. It allows for training and observation of palpation manipulation performed by the exercising person during the insemination procedure and examination per rectum.

### Advantages:

- The set includes a complete artificial reproductive system, one easy cervix and a handpiece.
- Replaceable panel of the reproductive system, natural dimensions, with characteristic anatomical structures, mounted in the correct anatomical position in the simulator structure, suspended in the pelvic cavity in a manner imitating natural suspension, made of flexible materials imitating and providing realistic treatment sensations of living tissue - applies to external elements ( vulva) and internal (cervical)
- The function of heating internal organs to a natural temperature.
- It is possible to adjust the model specification to the needs of a specific project

### Specification:

- Length: approx. 95 cm
- Height: approx. 145 cm
- Width: approx. 50 cm
- Base dimensions: 82x76cm
- Weight: approx. 50 kg.

### Additional parts available (additionally payable):

- Additional cervix (easy AI procedure),
- Additional cervix (Difficult AI procedure),
- Insemination gel,
- Silicone uterus,
- Extra uterus at different times of pregnancy
- Silicone vagina tube,
- The posterior part of the reproductive system,
- Tail
- Rectum
- Ovary small vesicles,
- Ovary large vesicles,
- ovarian cyst,



- Corpus luteum

## Coccygeal Vein Blood Sampling Kit

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

Product code: MZ03978



Model of a cow tail with artificial blood pump and lifelike coccygeal vein for practicing blood taking techniques.

Anatomically Correct Vertebrae and vein positioning have been replicated from real bovine anatomy, allowing students to palpate for the correct position. Blood Pump Blood is circulated through the vein by a small electronic pump to simulate the heart pumping. Needle Resistance When inserting the needle, a realistic resistance is felt under the skin. Bulging Vein When pressure is applied, the vein bulges for students to see where to insert the needle. Universal Stand Supplied with a sturdy metal stand which is to be clamped to a bench top, allowing the tail to hang down in a natural position. KIT INCLUDES

- 1 x Blood Sampling Tail with Coccygeal Vein Insert
- 1 x Blood Pump
- 1 x Jar of Artificial Blood

## Cow milking model

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

Product code: MZ02388



Full-size model of a cow with a milking training system.

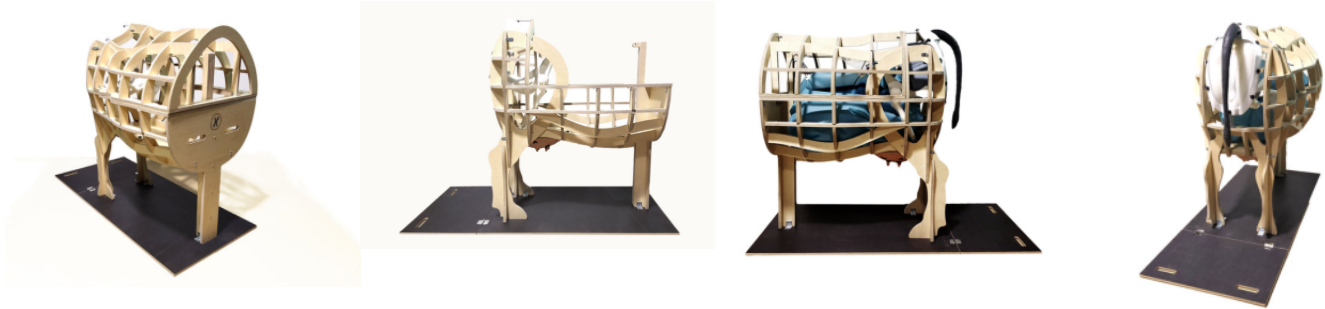
### Specification:

- material: plastic
- tank for pouring liquid for simulating milking, min. 5l
- udders made of silicone
- dimensions: 148x210cm
- weight: 40kg

## Interlocking Bovine

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

Product code: MZ03977



Holsim's Interlocking Bovine is a flat-pack, transportable training mannequin for classroom teaching of calving techniques. This interlocking birthing cow is made from premium grade plywood pieces that slot and bolt together for easy setup and pack down.

Veterinary students are provided with the opportunity to experience the calving process in a controlled environment with clear assessment and feedback from the tutor. Once the student has this initial training, they are well prepared to get the most out of live animal training and the experiences that follow. The top cage of the bovine is easily lifted off to set up and pack down the uterus bag, calf, etc. Both the Holsim Milking Udder and Cupping Udder are compatible with this model and can be bolted onto the underside of the bovine for practising milking, mastitis treatment applications and cupping. The interlocking bovine has carry handles on both the hinged base and the front of the bovine for moving it easily.

## Bovine hoof bandage simulator

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

Product code: MZ04013



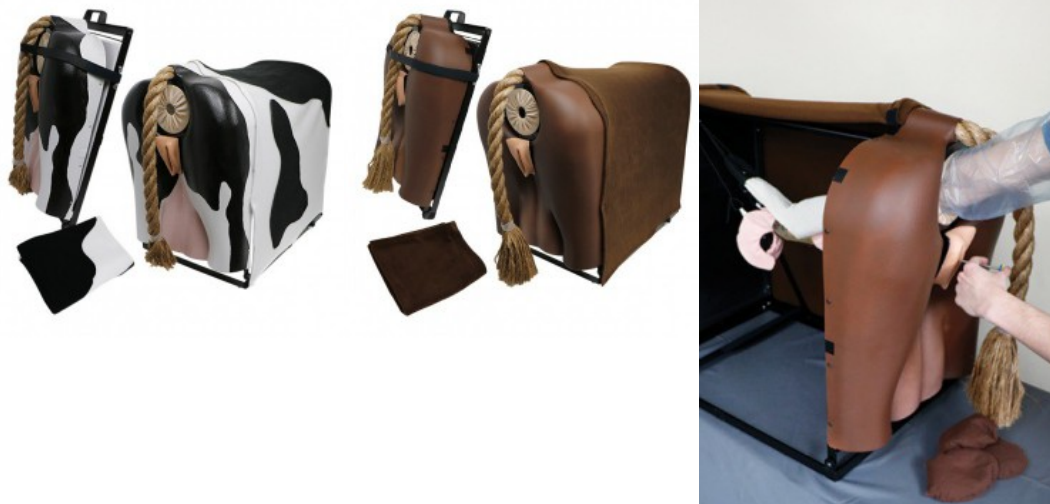
The dressing simulator for cattle hoofs offers the opportunity to learn the correct application of dressing materials and techniques.

The cattle claw can be rotated on the tripod, allowing you to practice on a standing or lying cow. A table clamp is included and guarantees a secure attachment option.

## Cow artificial insemination simulator/Bovine Breeder

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

Product code: MZ01884



Life-size simulator for bovine insemination is a unique scientific aid that helps in learning and improving:

- correct artificial insemination techniques,
- cervical manipulation,
- positioning with an insemination gun,
- recognition of anatomical landmarks of the reproductive system
- palpation of luteal development and pregnancy.

### Product dimensions:

- approx. 81x46x71cm
- Product weight: approx. 11.5kg

### Set contains:

- Realistic hindquarters (hindquarters) of cows and reproductive system for learning the right techniques of artificial insemination
- Removable cover (available in brown or black and white) for training with or without visual guidance.
- Simulator with removable cervix and the cover of the reproductive system
- Digestive tract
- Latex-free shoulder gloves (100 pieces)
- Insemination pistol
- Models of development of the corpus luteum
- Models of fetal development

### Additional information:

- The simulator is compact, lightweight, has folding functions.
- Easy to carry





## Cow Milking trainer

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

Product code: MZ01879



A realistic simulator imitating a cow's udder, intended for educational purposes.

### Application:

- Learning how to properly milk cow's milk,
- Learning of udder care,
- Learning to treat and prevent infection
- Learning to do a mastitis test
- Learning udder anatomy
- Learning how to properly connect a milking machine

### Additional information:

- The simulator is equipped with four separate chambers that can be filled with liquid.
- Foldable rear "legs" with stand
- Transport bag
- Instructions
- Dimensions: approx. 94 x 74 x 76cm
- Weight: approx. 18-23kg

## Bovine Vascular Access Simulator

**Price inquiry:** +48 605999769, kontakt@openmedis.pl

Product code: MZ01882



A full-size trainer for cattle injection is a unique teaching tool with versatile and multitasking application. The vascular access simulator is engineered to provide the most anatomically correct and realistic simulated venipuncture training experience available. The vascular access simulator delivers excellence in veterinary training.

### The simulator enables training, among others following procedures:

- cervical injections,
- intravenous injections,
- intramuscular injections,
- subcutaneous injections,
- piercing placement
- implant placement

### Set contains:

- Cow head with neck - life size
- Removable training covers that map specific body orientations for the correct injection sites
- A drain system for liquids
- Stand with wheels
- Foot pump for pulse imitation
- Exchangeable ears - 10 pairs

### Additional information:

- size: approx. 71x102x173cm
- Weight: approx. 18kg

## Hereford Model Dystocia Simulator

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

Product code: M01688



Dystocia simulator for the Hereford breed.

### Main features:

- Steel reinforced epoxy/fiberglass construction, with water resistant components throughout for ease of cleaning.
- 1.36m at the shoulder and over 2.44m from nose to tail, and 0.8m at widest point
- Matching Hereford calf included
- Inflatable calf air bed support system
- Clear vinyl uterine bag
- Soft, durable perineum panel
- Soft removable tail
- Functional udder with milk tank; ability to simulate mastitic milk and can be introduced in any quadrant
- Replica polyurethane pelvis
- Padded fetal extractor, obstetric chain and head snare
- Landing mat provided to prevent damage to calf

### Replaceable Parts:

- Birthing Perineum Panel
- Uterine Bag
- Tail
- Teats
- Calf

## Holstein Model Dystocia Simulator

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

Product code: M01689



Dystocia simulator for the Holstein breed

### Main features:

- Steel reinforced epoxy/fiberglass construction, with water resistant components throughout for ease of cleaning.
- 1.57m at the shoulder and over 2.80m from nose to tail, and 1m at widest point
- Matching Holstein calf included
- Inflatable calf air bed support system
- Clear vinyl uterine bag
- Soft, durable perineum panel
- Soft removable tail
- Functional udder with milk tank; ability to simulate mastitic milk and can be introduced in any quadrant
- Replica polyurethane pelvis
- Padded fetal extractor, obstetric chain and head snare
- Landing mat provided to prevent damage to calf

### Replaceable Parts:

- Birthing Perineum Panel
- Uterine Bag
- Tail
- Teats
- Calf

## Compact Model Dystocia Simulator

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

Product code: M01690



Realistic performed, modeled on the Hereford breed, a compact dystocia simulator.

### Main features:

- Steel reinforced epoxy/fiberglass construction, with water resistant components throughout for ease of cleaning.
- 0,65m tall and over 1,3m long, and 0.8m at widest point
- Matching Hereford calf included
- Inflatable calf air bed support system
- Clear vinyl uterine bag
- Soft, durable perineum panel
- Soft removable tail
- Functional udder with milk tank; ability to simulate mastitic milk and can be introduced in any quadrant
- Replica polyurethane pelvis
- Padded fetal extractor, obstetric chain and head snare
- Landing mat provided to prevent damage to calf

### Replaceable Parts:

- Birthing Perineum Panel
- Uterine Bag
- Tail
- Teats
- Calf

## Calving simulator

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

Product code: MZ02550



This model is intended for veterinary students to experience the calving process in a cow. Thanks to controlled conditions, students can make mistakes and finally be fully prepared to work with live animals.

## Calving simulator / Bovine Birthing and Ultrasound Simulator

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

Product code: MZ02394



The calving simulator is a practical tool for training a cow's delivery reception and carrying out ultrasound examinations. This compact trainer can be placed on a table at the correct height so that pupils / students can practice pulling the calf out of the birth canal with the help of straps. Flexible, realistic, close to the natural weight and dimensions, the calf model is made of material, which ensures durability and usability. The ultrasound simulator uses sensing technology to simulate more 14 ultrasound situations. It has the ability to diagnose pregnancy and common problems.

### Set contains:

- A portable birthing simulator
- Removable reproductive tract
- Model of a birthing calf
- Delivery tools: straps and hand
- **Ultrasound simulator:** probe and tablet,
- storage bag

### Simulation:

- Cow anatomy
- Basics of cattle breeding
- Proper techniques of ultrasound diagnosis
- Own your birthing techniques
- Abnormalities in childbirth

### Advantages:

- Features of the calf simulator
- Realistic calf and birth panel of a pregnant cow
- Table model
- Removable cover
- Flexible, replaceable scabbard Flexible, realistic tail
- The legs of the calf and hooves are naturally mobile
- Realistic pelvic bones creating more accurate birth scenarios
- Spare parts available
- Functions of the simulator for ultrasound diagnostics
- It enables you to understand the stages of a bovine pregnancy, stages and birth scenarios





- Teaching the practical use of ultrasound diagnostics during pregnancy in domestic cattle
- Provides a visual representation of the corpus luteum and follicular cysts, as well as general pregnancy diagnostics
- It includes 14 simulated situations to find and practice ultrasound technique Includes exercise and scenario modes

**Specification:**

- Calf dimensions: 92x31x41cm
- Calf weight: approx. 12 kg
- Ultrasound trainer dimensions: 76x76x64cm
- Weight of the ultrasound trainer: approx. 23kg



## Bovine theriogenology model

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

Product code: MZ02288



A phantom in the form of a rear part (croup) for rectal examination containing organs of the reproductive system of female breeding cattle. 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:

- fiberglass phantom construction
- includes pelvis and soft perineal palpation panel,
- inflatable vinyl rectum and flexible tail
- cervix, broad ligament, ovaries
- Different ovaries with different stages of follicles and corpus luteum
- The phantom enables: learning the anatomy of the reproductive system, studying the oestrus cycle stages (per rectum), testing the stage of 45, 60, 90-day pregnancy (per rectum), learning insemination
- Weight: approx. 25 kg
- Approximate dimensions: approx. 65 x 66 x 65 cm (L x W x H)

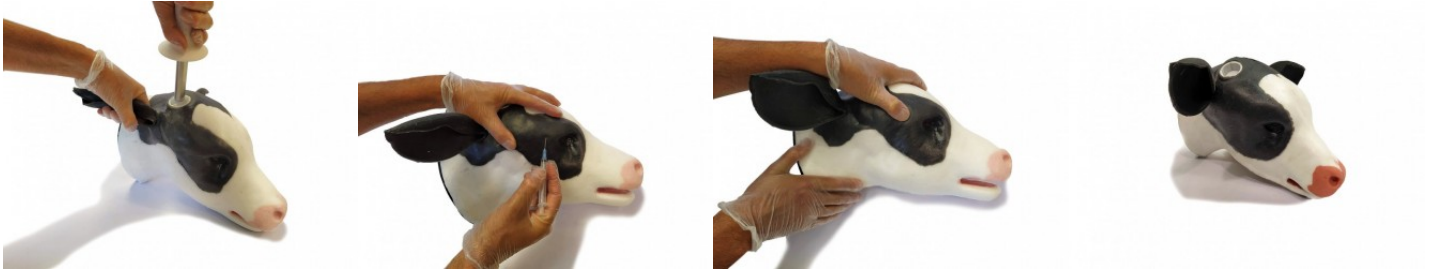
### Spare parts (optional, additionally payable):

- perineal palpation panel
- tail
- uterus at 45, 60 and 90 days of pregnancy, respectively

## Calf Disbudding Kit

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

Product code: AM02574



The trainer allows you to learn how to perform disbudding, remove horn buds and learn local anesthesia during the above-mentioned procedures. It is possible to learn the correct position of the nerve and inject the drug at the right angle and to the right depth. When a nerve is touched with a needle, a buzzer sounds and the LED light changes color. Once you have mastered the blockades, you can practice decorating the calf. The head of the calf has a realistic look with a hard skull, soft neck and soft reinforced ears.

## Bovine Venipuncture and Intramuscular Injection Simulator

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

Product code: MZ04041



The practical **veterinary simulator** for learning and training intravenous and intramuscular injections performing in cattle. The training set includes:

- **the cow head model** made of realistic and durable materials
- the tripod on wheels with the possibility of adjusting the height of **the bovine head model**

### **The application of the bovine head simulator for venocentesis and intramuscular injections:**

Due to its numerous and unquestionable advantages, a teaching aid in the form of a **bovine head model** is an ideal equipment for veterinary laboratories and labs for acquiring practical clinical skills. **The cattle injection trainer** allows to shape and develop the following skills:

- learning anatomy and locating characteristic landmarks
- learning the location of cervical vessels and their injection
- performing the intramuscular injections and ear tagging

The presented **model of a cattle head** allows to acquire practical skills before starting work on a living organism, which reduces the stress of future veterinarians and technicians, as well as the animals themselves

### **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 vein

## **Product features:**

### **Jugular Venipuncture:**

- 

Using anatomical landmarks, students will learn to seclude and palpate veins

- 

Endures multiple punctures and includes 5 sets of replacement veins

- 

Pressurized blood bag included

- 

Replaceable hide covering to conceal injection sites and blood draw site

### **Intramuscular Injection Site:**

- 

Well rendered anatomy illustrates injection landmarks

- 

Accepts fluid injections and can endure multiple punctures

### **Soft Silicone Head:**

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Removable and replaceable ears for tagging

### **Rolling Stand:**

- 

Adjustable for height, rostral tilt, 90 degree rotation

### **Replaceable parts:**

- 

Veins

- 

Intramuscular pads x2

-

Hide covering

- 

Pressurized Blood bag

- 

VSI Blood

- 

Replacement Ears

The advanced **veterinary simulators** are the future of education. We also offer other teaching aids, such as: **animal anatomical models** (cow model, mare model, pig model, sheep model, etc.). Among the virtual solutions supporting learning, a new, **advanced platform for learning veterinary anatomy** should be mentioned, enabling detailed visualization of the cow anatomy from the external integuments to the skeleton. Our wide range includes various **cattle trainers and veterinary phantoms** from proven and recognized brands on the market. The most popular **veterinary trainers** include cattle theriogenological models that allow for teaching cows rectal contraction, palpation and recognition of pregnancy as well as ovarian pathology and insemination. Our offer also includes **bovine simulators** specifically intended for learning and training insemination (e.g. Emma Cow). The most advanced **cattle veterinary simulators** include teaching aids enabling calving simulation.

## Horn embro for disbudding

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

Product code: AM02548



These disposable horn buds allow you to practice horn sensing and skin cutting. A soft silicone cover surrounds a 3D-printed horn and a foam support ring.

The standard package contains 10 the ovules of the horns.

## Set of 9 different bovine cervicals to learn how to inseminate

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

Product code: MZ02520



The Bovine AI Cervix Training Kit contains nine bovine cervixes that allow for hands-on training of artificial insemination. The cervixes range from young bovine first-time reproduction to larger cervixes which represent older bovine reproductive tracts. Additionally, these cervixes are compatible with the artificial insemination simulator MZ01884.