

Comprehensive and Innovative
Educational Solutions

VETERINARY SIMULATION MODELS

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Training
Support



Realistic
Anatomical
Representation



Durable
Design

HOLSTEIN DYSTOCIA SIMULATOR

Model Code: AZ/700



HOLSTEIN DYSTOCIA SIMULATOR

Model Code: AZ/700

KEY FEATURES

Adult Cow Simulator

- Full-scale, Holstein-Friesian breed anatomy
- Realistic nose, tail, vulva, udder, and teat structure
- Anatomical pelvis and functional birth canal
- Flexible and transparent uterus
- Birthing expulsive force compression system
- Inflatable rumen system
- Rear loading hatch
- High-strength body and lockable legs

Calf Model

- Real skeletal and anatomical muscle architecture
- Articulated spine, head, neck, and limb joints
- Lower jaw with 4 incisor teeth
- Realistic eye structure and steel eye hook socket
- Distinctly defined anatomical hooves
- Anatomical anus and 10 cm umbilical cord
- Prominent spine and limb bony prominences
- Water-resistant and pull-resistant furred outer skin

GENERAL APPLICATIONS

1. Designed in accordance with the anatomical features of a full-scale Holstein-Friesian cow, the simulator allows clinical examination, restraint, handling-tying, and birthing applications to be performed under realistic conditions.
2. Thanks to its anatomical pelvis structure and functional birth canal, it enables the development of skills in obstetrical examination and birthing intervention.
3. Its flexible and transparent uterus structure allows for the simultaneous observation of fetal position, progress through the birth canal, and obstetrical interventions.
4. Featuring a compression system that simulates maternal expulsive forces during labor, it allows the normal birthing mechanism to be practiced in a life-like manner.
5. With its anatomically realistic tail, it enables safe and repeatable practice of high and low epidural anesthesia applications.
6. It offers practical training opportunities via an inflatable rumen system that mimics late-gestation anatomical placement and can be inflated according to clinical scenarios.
7. It supports udder examination training with its anatomically realistic, healthy udder and teat structure.
8. The rear loading hatch allows the calf model to be easily inserted and training applications to be comfortably observed.
9. Thanks to the calf model's articulated spine, head, neck, and limb joints, anatomical calf movements are realistically simulated, enabling the application of various fetal positions, postures, and presentations (dystocia).
10. The steel socket located in the calf model's eye orbit allows eye hook applications to be performed safely.
11. Its anatomical anus structure supports post-birth body temperature measurement training.
12. Prominent bony landmarks provide anatomical guidance to the veterinarian during birthing intervention.



CALF SIMULATOR

Model Code: AZ/700-1

KEY FEATURES

- Real skeletal and anatomical muscle architecture
- Articulated spine, head, neck, and limb joints
- Lower jaw with 4 incisor teeth
- Realistic eye structure and steel eye hook socket
- Distinctly defined anatomical hooves
- Anatomical anus and 10 cm umbilical cord
- Prominent spine and limb bony prominences
- Water-resistant and pull-resistant furred outer skin



GENERAL APPLICATIONS

1. Thanks to the calf model's articulated spine, head, neck, and limb joints, anatomical calf movements are realistically simulated, enabling the application of various fetal positions, postures, and presentations (dystocia).
2. The steel socket located in the calf model's eye orbit allows eye hook applications to be performed safely.
3. Its anatomical anus structure supports post-birth body temperature measurement training.
4. Prominent bony landmarks provide anatomical guidance to the veterinarian during birthing intervention.



COW BLOOD SAMPLING AND INJECTION SIMULATOR

Model Code: AZ/717

KEY FEATURES

- Neck region model conforming to Holstein cattle anatomy
- Sulcus jugularis and jugular vein anatomical landmarks
- Durable and replaceable vessel structure simulating the jugular vein
- Intramuscular (IM) and subcutaneous (SC) injection application areas
- Ergonomic and easily portable design
- Durable and robust body structure



GENERAL APPLICATIONS

1. Designed for practical training purposes in faculties of veterinary medicine and veterinary technician programs, the simulator supports realistic clinical scenarios with a neck region conforming to Holstein cattle anatomy.
2. It allows proper palpation of the vein by realistically simulating the sulcus jugularis region and the anatomical landmarks of the jugular vein.
3. Thanks to the durable and replaceable vessel model placed in the sulcus jugularis region, it enables bilateral venipuncture, blood sampling, intravenous (IV) injection, and catheterization procedures.
4. It allows practicing over anatomical landmarks suitable for intramuscular (IM) and subcutaneous (SC) injection applications.
5. It supports the implementation of basic pre-clinical intervention scenarios such as restraint and handling-tying.
6. Thanks to its ergonomic and easily portable design, it provides practical use in various educational environments, as well as in individual or group training sessions.



MASTITIS TRAINING SET

Model Code: AZ/730



KEY FEATURES

- Anatomical bovine udder structure
- Four quarters and four teats with elastic texture
- Integrated fluid circulation system
- Realistic streak canal and open teat orifice anatomy
- Udder anatomical model
- Durable body and robust material structure

GENERAL APPLICATIONS

1. Designed to support the development of clinical skills in veterinary reproduction, herd health, and mastitis training.
2. Realistically simulates the udder structure for bovine udder examination and mastitis treatment training.
3. Provides one-to-one anatomical characteristics with four quarters and four teats featuring an elastic tissue texture.
4. Allows milking techniques and milk expression to be practiced realistically thanks to its anatomical teat structure and fluid circulation system.
5. Enables safe and repeatable execution of intramammary drug administration and intramammary catheterization training owing to its realistic streak canal anatomy and open teat orifice structure.
6. Allows detailed examination of the quarter and teat anatomy through the cross-sectional structure of the bovine udder anatomical model.

BOVINE RECTAL EXAMINATION SIMULATOR

Model Code: AZ/701

KEY FEATURES

Standing cow half-body model

- Life-size anatomical pelvic channel and pelvic bone structure
- Soft birth canal comprising the ovary, uterus, cervix, vagina, and vulva
- Anatomical tail structure with natural mobility
- Non-pregnant (open) uterus model
- Interchangeable uterus models
- Fetus and placenta models conforming to weeks of gestation
- Palpable and catheterizable cervix suitable for artificial insemination
- Middle uterine artery (arteria uterina media) fremitus simulation mechanism
- Anatomical landmarks for epidural anesthesia
- Durable body structure
- Optional Equipment: Mastitis Training Set (Sold separately)



GENERAL APPLICATIONS

1. Developed for veterinary gynecology, reproduction, and rectal examination training, the model realistically simulates the half-body of a standing cow.
2. Allows realistic assessment of the anatomical structure during examination thanks to its life-size anatomical pelvic channel and pelvic bone structure.
3. Realistically simulates the anatomical soft birth canal extending cranially to caudally, comprising the ovary, uterus, cervix, vagina, and vulva.
4. Enables rectal examination of an open uterus via a non-pregnant uterus model designed in accordance with the anatomical features of the uterus, featuring preserved uterine horns and realistic softness.
5. Allows implementation of different training scenarios with interchangeable uterus models representing various stages of pregnancy, as well as fetus and placenta structures conforming to gestational weeks.
6. Realistically simulates bilateral palpation of middle uterine artery (arteria uterina media) fremitus.
7. Offers artificial insemination training with its palpable and catheterizable cervix structure suitable for artificial insemination procedures.
8. Includes anatomical reference points suitable for high and low (superior and inferior) epidural anesthesia training.
9. Optional Feature: The model comes standard with healthy udder anatomy. If the **Mastitis Training Set (AZ/730)** specially designed for mastitis education and clinical practice simulations is purchased separately, the model is supplied with the diseased udder structure mounted in place of the healthy udder.

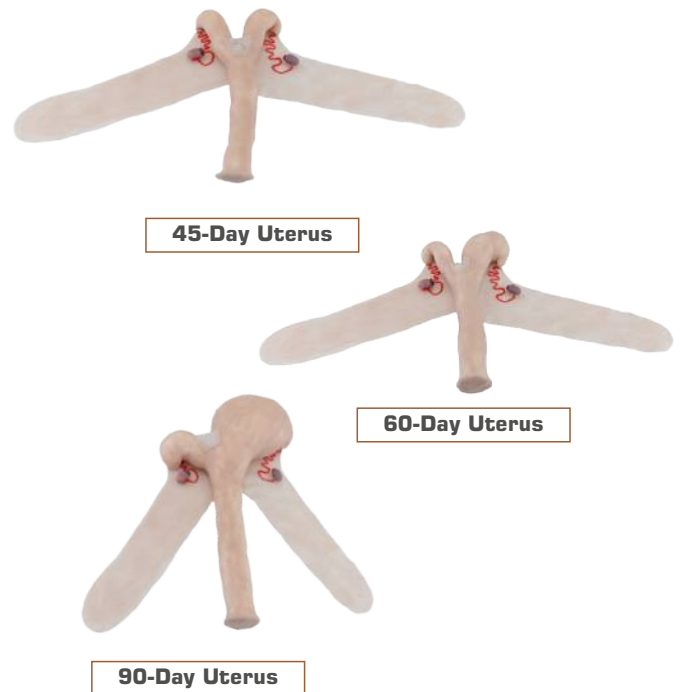


COW GYNECOLOGICAL EXAMINATION AND PREGNANCY SIMULATOR (MODULAR TRAINING SET)

Model Code: AZ/727

KEY FEATURES

- Interchangeable training parts
- Non-pregnant genital system model
- Anatomical ovary model
- Artificial insemination practice model
- Interchangeable ovary set simulating different stages of the estrous cycle
- Follicle and corpus luteum models representing different stages of estrus
- Uterus model simulating approximately 45, 60 and 90 days of pregnancy
- Asymmetric uterine horn structure conforming to pregnancy stages
- Anatomical fetus model inside the amniotic sac
- Structure enabling palpation of fetal membrane slip
- Anatomical design allowing palpation of placentomes in advanced pregnancy stages



GENERAL APPLICATIONS

1. Fully compatible with the **Rectal Examination Simulator (AZ/701)** and consisting of easily interchangeable training parts, the model is developed for veterinary gynecology, reproduction, and rectal examination training.
2. It realistically simulates the ovary, oviduct, uterus, uterine horns, corpus uteri, cervix, and vagina according to their anatomical structure. It reflects the uterine horns with prominent bifurcation and the intercornual ligament structure in accordance with their anatomical features.
3. Designed in full scale and anatomical shape, it contains physiological structures (corpus luteum-follicle) corresponding to stages of estrus. It offers examination opportunities with an interchangeable ovary set simulating different stages of the estrous cycle and follicle and corpus luteum models representing different stages of estrus.
4. Thanks to its easily distinguishable anatomical cervix structure, realistic cervical mucosal folds, and durable structure, it allows artificial insemination and intrauterine treatment procedures to be performed in a realistic manner.
5. Uterus models simulating approximately 45, 60, and 90 days of pregnancy, asymmetric uterine horn structure conforming to pregnancy stages, an anatomical fetus model inside the amniotic sac, a structure enabling palpation of fetal membrane slip, and an anatomical design allowing palpation of placentomes in advanced pregnancy stages provide comprehensive training opportunities.



BOVINE FOOT AND CLAW BANDAGING SIMULATOR

Model Code: AZ/750

KEY FEATURES

Anatomical bovine claw

- Claw bandaging training
- Bandage application system
- Rotatable claw structure
- Ergonomic mounting system
- Hands-on training model
- Durable body structure



GENERAL APPLICATIONS

1. Realistically simulates bovine foot and claw anatomy.
2. Enables correct, safe, and repeatable execution of claw bandaging techniques.
3. Supports the practice of various bandaging materials and application methods.
4. Provides practice opportunities in different working positions by realistically simulating both standing and recumbent animal scenarios.
5. Offers safe, stable, and realistic working positions via a tripod and table clamp system.
6. Enables the development of practical skills for veterinary orthopedics and claw health applications.
7. Suitable for effective use in both individual and group training sessions.
8. Manufactured from robust materials that can be used safely in educational programs.

CANINE AUSCULTATION SIMULATOR

Model Code: AZ/738

KEY FEATURES

- Full-size training model
- Anatomical auscultation model
- Realistic sound simulation system
- Modular sound scenarios
- High-fidelity sound infrastructure
- Remote control system
- Hands-on training model
- Durable body structure



GENERAL APPLICATIONS

1. Realistically simulates a full-size training model conforming to the anatomy of an average-sized dog.
2. Simulates cardiac, pulmonary, and intestinal auscultation points in their correct anatomical locations, allowing correct auscultation techniques to be learned.
3. Realistically simulates heart, lung, and bowel sounds corresponding to various clinical scenarios.
4. Offers hands-on training opportunities with different sound scenarios selectable by the instructor.
5. Supports the development of clinical assessment skills using sound simulations generated from real patient data.
6. Allows easy management of training scenarios with its structure that can be controlled wirelessly via a tablet.
7. Enables the development of auscultation skills in faculties of veterinary medicine and veterinary technician programs.
8. Suitable for effective use in both individual and group training sessions.
9. Manufactured from robust materials that can be used safely in educational programs.



FEMALE DOG URINARY CATHETERIZATION SIMULATOR

Model Code: AZ/718

KEY FEATURES

- Anatomical rear section simulation
- Anatomical external genitalia structure
- Urinary catheterization model
- Catheterization simulation system
- Bladder drainage system
- Hands-on training model
- Durable body structure



GENERAL APPLICATIONS

1. Realistically simulates the hindquarter of a medium-sized female dog in accordance with its anatomical structure.
2. Simulates realistic anatomy of the vulva and external urethral orifice (orificium urethrae externum).
3. Allows urinary catheterization procedures to be performed safely and repeatably with its anatomical urinary tract structure.
4. Provides a realistic practice experience by supporting the correct placement of the catheter.
5. Features a fluid system that realistically simulates bladder drainage following successful catheterization.
6. Enables the development of urinary catheterization skills in veterinary urology and clinical practice training.
7. Suitable for effective use in both individual and group training sessions.
8. Manufactured from robust materials that can be used safely in educational programs.



MALE DOG URINARY CATHETERIZATION SIMULATOR

Model Code: AZ/719

KEY FEATURES

- Anatomical rear section simulation
- Anatomical urinary system model
- Urinary catheterization model
- Catheterization simulation system
- Bladder drainage system
- Hands-on training model
- Durable body structure



GENERAL APPLICATIONS

1. Realistically simulates the rear section of a male dog in accordance with its anatomical structure.
2. Simulates the urinary system of a male dog with its realistic anatomical structure.
3. Allows urinary catheterization procedures to be performed safely and repeatably with its anatomical urinary tract structure.
4. Provides a realistic practice experience by supporting the correct placement of the catheter.
5. Features a fluid system that realistically simulates bladder drainage following successful catheterization.
6. Enables the development of urinary catheterization skills in veterinary urology and clinical practice training programs.
7. Suitable for effective use in both individual and group training sessions.
8. Manufactured from robust materials that can be used safely in educational programs.



CANINE INTUBATION SIMULATOR

Model Code: AZ/703

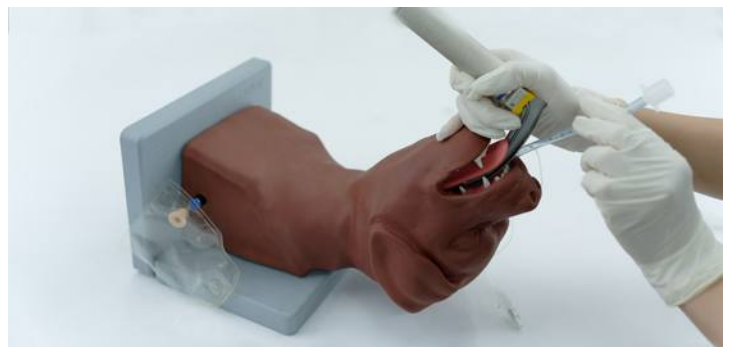
KEY FEATURES

- Anatomical dog head model
- Endotracheal intubation model
- Anatomical airway structure
- Articulated tongue structure
- Anatomical dental structure
- Stable training platform
- Hands-on training model
- Durable body structure



GENERAL APPLICATIONS

1. Realistically simulates the anatomical region and structure for endotracheal intubation training in dogs.
2. Enables safe and repeatable execution of endotracheal intubation techniques.
3. Realistically simulates the trachea, esophagus, and epiglottis with their anatomical structures.
4. Offers a realistic intubation practice experience with its flexible and articulated tongue structure.
5. Features realistic dental anatomy manufactured from durable hard plastic.
6. Mounted on a specialized base, the dog head provides safe and balanced use in both horizontal and vertical positions.
7. Enables the development of airway management and endotracheal intubation skills in individual and group training sessions.
8. Manufactured from robust materials that can be used safely in educational programs.



DOG CRICOTHYROTOMY (TRACHEOSTOMY) SIMULATOR

Model Code: AZ/748

KEY FEATURES

- Tracheotomy model
- Cricothyrotomy and emergency airway interventions
- Replaceable cricothyroid ligament structure
- Replaceable skin layers
- Realistic tissue texture
- Reusable modular structure
- Hands-on training model
- Durable body structure



GENERAL APPLICATIONS

1. Realistically simulates canine laryngeal anatomy for training in cricothyrotomy and emergency airway interventions.
2. Enables safe and repeatable execution of cricothyrotomy and emergency airway procedures.
3. Supports long-term training use with its 360-degree rotatable and replaceable trachea structure.
4. Allows numerous applications to be performed thanks to its replaceable skin structure.
5. Provides a realistic tissue feel, allowing emergency airway procedures to be practiced in a life-like manner.
6. Offers practical and long-term use across different training scenarios owing to its compact, lightweight, easily portable structure, and replaceable components.
7. Enables safe development of practical skills in veterinary emergency medicine, surgery, and anesthesia training.
8. Provides suitable utility for both individual and group training sessions.
9. Manufactured from robust materials that can be used safely in educational programs.



CANINE ORAL TECHNIQUE AND DENTAL TRAINING MODEL

Model Code: AZ/737

KEY FEATURES

- Anatomical jaw structure
- Comparative dental training model
- Dental pathology model
- Pathological tooth specimens
- Articulated jaw structure
- Oral examination training model
- Hands-on training model
- Durable body structure



GENERAL APPLICATIONS

1. Realistically simulates the jaw anatomy of an average-sized dog.
2. Presents healthy and pathological dental structures together, allowing for a comparative examination of oral anatomy and dental pathologies.
3. Realistically simulates nine different dental pathologies with their anatomical structures.
4. Includes examples of a fractured canine tooth, periodontal disease, tartar, plaque, gingivitis, worn incisors, retained deciduous tooth, gingival recession, and a missing premolar tooth.
5. Features an opening/closing and detachable jaw structure, enabling detailed examination of the oral cavity and teeth.
6. Supports the development of oral examination and dental assessment skills with its realistic anatomical structure.
7. Suitable for effective use in veterinary dentistry education across faculties of veterinary medicine and veterinary technician programs.
8. Suitable for effective use in both individual and group training sessions.
9. Manufactured from robust materials that can be used safely in educational programs.



OVARIOHYSTERECTOMY SET

Model Code: AZ/722

KEY FEATURES

- Ovariohysterectomy training model
- Stable training platform
- Anatomical abdominal cavity
- Anatomical internal genital system
- Ovarian suspensory ligaments
- Durable body structure



GENERAL APPLICATIONS

1. Realistically simulates the performance of the ovariohysterectomy procedure.
2. Mounted on a specialized base providing safe and balanced use.
3. Offers a realistic surgical practice environment with an intestinal model within the abdominal cavity in accordance with anatomical structure.
4. Realistically simulates the ovary and uterine horns with their anatomical structures.
5. Enables ligature application to be performed in a realistic manner via anatomical suspensory ligaments.
6. Manufactured from specially developed durable materials, allowing for repeated use in educational programs.



CANINE SKELETAL AND JOINT MODEL

Model Code: AZ/713

KEY FEATURES

- Full skeletal structure
- Anatomical bone structure
- Stable skeletal system
- Ergonomic base structure
- Anatomical joint system
- Durable body structure



GENERAL APPLICATIONS

1. Realistically simulates a full skeletal structure in accordance with the anatomy of a real dog.
2. Displays all bones in their correct anatomical positions, allowing for a detailed examination of skeletal anatomy.
3. Offers safe and long-term use thanks to its skeletal structure mounted with a robust connection system.
4. Provides stable and practical use with its design fixed onto a durable base.
5. Realistically simulates the anatomical relationships of canine joints.
6. Enables hands-on examination of the skeletal system and joint anatomy in veterinary anatomy training.
7. Suitable for effective use in both individual and group training sessions.
8. Manufactured from robust materials that can be used safely in educational programs.



CAT SKELETAL AND JOINT MODEL

Model Code: AZ/712

KEY FEATURES

- Full skeletal structure
- Anatomical bone structure
- Stable skeletal system
- Ergonomic base structure
- Anatomical joint system
- Durable body structure



GENERAL APPLICATIONS

1. Realistically simulates a full skeletal structure in accordance with the anatomy of a real cat.
2. Displays all bones in their correct anatomical positions, allowing for a detailed examination of skeletal anatomy.
3. Offers safe and long-term use thanks to its skeletal structure mounted with a robust connection system.
4. Provides stable and practical use with its design fixed onto a durable base.
5. Realistically simulates the anatomical relationships of feline joints.
6. Enables hands-on examination of the skeletal system and joint anatomy in veterinary anatomy training.
7. Suitable for effective use in both individual and group training sessions.
8. Manufactured from robust materials that can be used safely in educational programs.



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