

Product Catalogue



PRODUCTS

Bovine Canine Equine
Porcine Avian Feline




Holsim
ANIMAL CARE & EDUCATION



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CANINE

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02 –

Avian

A survey showed that 95% of students felt that using training mannikins had improved their psychomotor skills. This emphasises that when alternatives are used instead of live animals for training vet students, the same academic outcome can be reached or even exceeded.

Avian

Kea Bandaging Model

SKU
A100-000

The Kea Bird Bandaging Model is an anatomically correct model for practising bandaging techniques in order to reduce pain and stabilise fractures.

The Kea has humerus, radius, ulna, metacarpus and phalanx bones with primary, secondary and tertiary feathers attached.

Stretchy silicone connects the wing bones to the body to replicate the tendon's instinctive drawback. Positionable wings allow them to be rotated and fold against the body naturally.

The model is weighted accordingly to represent a juvenile male of the species selected.

Other colours/bird breeds of similar size, as below, may be requested, or email us with the species you would like to see!

Replacement Feet Available



Avian

Cockatoo Bandaging Model

SKU
A200-000

The Cockatoo Bandaging Model is an anatomically correct model for practicing bandaging techniques in order to reduce pain and stabilise fractures.

The cockatoo has humerus, radius, ulna, metacarpus and phalanx bones with primary, secondary and tertiary feathers attached.

Stretchy silicone connects the wing bones to the body to replicate the tendon's instinctive drawback. Positionable wings allow them to be rotated and fold against the body naturally.

The model is weighted accordingly to represent a large male sulphur- crested cockatoo. The head can also swivel 360 degrees.

Other colours/bird breeds of similar size, as below, may be requested, or email us with the species you would like to see!

Replacement Feet Available



Avian

Scarlet Macaw Bandaging Model

SKU
A300-000

The Scarlet Macaw Bandaging Model is an anatomically correct model for practicing bandaging techniques in order to reduce pain and stabilise fractures.

The Macaw has humerus, radius, ulna, metacarpus and phalanx bones with primary, secondary and tertiary feathers attached.

Stretchy silicone connects the wing bones to the body to replicate the tendon's instinctive drawback. Positionable wings allow them to be rotated and fold against the body naturally.

The model is weighted accordingly to represent a large male scarlet macaw. The head can also swivel 360 degrees.

Other colours/bird breeds of similar size, as below, may be requested, or email us with the species you would like to see!

Replacement Feet Available





02 —

Bovine

Animal training models, simulators and mannikins allow for repetitive practice, even of procedures that are clinically uncommon or associated with high risk, in environments that are comparatively 'low stakes' and free from stress. They also offer standardisation of the learning experience and assessment processes for students.

Bovine

Interlocking Bovine

SKU
B100-000B

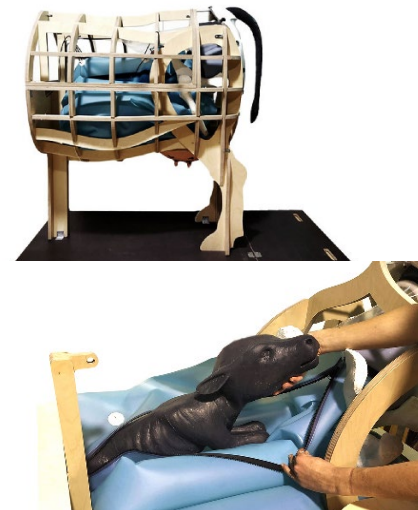
Holsim's Interlocking Bovine is a flat-pack, transportable training model for classroom teaching of calving techniques. This interlocking birthing cow is made from plywood pieces that slot and bolt together for easy setup and pack down.

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

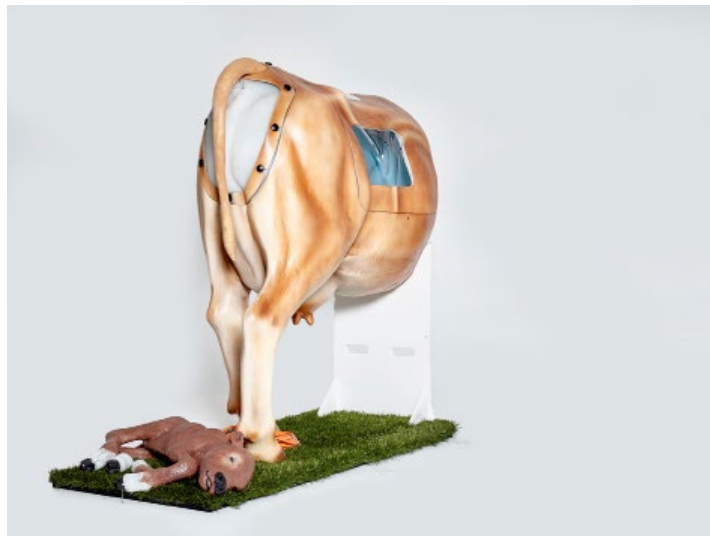
Birthing Cow — Fibreglass

SKU
B1100-000

A transportable training model for classroom teaching of calving techniques. This life-size bovine enables students to practise manipulating and birthing the calf safely in a controlled environment.

An inflatable bag acts as soft tissue and muscle to support the uterus bag in which the calf is zipped inside of with our Holsim-Amniotic Fluid. This enables lubrication during the birthing procedure. Modelled from actual bovine anatomy, each cow has its own uterus, rectum and birth canal.

The Holsim Birthing Bovine is heated internally, and has a blow-back switch for the rectum to replicate gas build up, enabling students to learn how to relieve this. For ease of cleaning and maintenance, the uterus bag unzips from the birth canal, whilst the rump and tail can be removed from the cow. Clear windows in the sides and top of the bovine allow teachers to see how students are going, and give live feedback during training.



Bovine Birthing Calf

SKU

B100-200J - Jersey

B100-200A - Angus

B100-200F - Friesian

The Holsim Birthing Calf is a transportable training mannequin to be used with the Holsim Interlocking Bovine and fibreglass, for classroom teaching of calving techniques.

Modelled from actual bovine calf anatomy, the life-like calf can be placed in the Interlocking Bovine's uterus in a range of positions. This allows students to experience both easy and complicated procedures where the calf needs to be manipulated in the uterus before birthing.

The calf has internal bones in the hips and legs providing accurate movement and skeletal limits of the legs. This ensures a realistic challenge to the student when manipulating the position of the calf and the strength to apply force during the birthing procedure.



Bovine

Birth Shroud & Rump

SKU
B100-300

For use with the Holsim Interlocking Bovine and Holsim Fibreglass Birthing Cow.

This silicone rectum, vaginal entrance and rump are attached to a hard shroud that mounts onto the Holsim Interlocking Bovine backside using threaded knurl screws to secure it in place.

The large vaginal opening allows for the Holsim Birthing Calf to be pulled through easily. The Uterus Bag zips onto the vaginal entrance for a smooth transition between the two parts. The Holsim Rectum Bag can attach to the rectum ring.



Bovine

Uterus Bag

SKU
B100-400

Designed to be used with the Holsim Interlocking Bovine for birthing simulation and Holsim Birthing Cow.

This is a durable, waterproof bag designed to be used in birthing simulation scenarios with the Interlocking Bovine.

The bag has a zip which allows you to insert the Holsim Birthing Calf easily. Holsim Amniotic Fluid can be applied inside the bag over the calf.

The bag has suspension holes for attaching bungee cords/carabiners to suspend the bag inside the cow.



Bovine Inflatable Bag

SKU
B100-500

Designed to be used with the Holsim Interlocking Bovine for birthing simulation.

This is a durable, inflatable bag designed to support the calf in birthing simulation scenarios.

The bag can be inflated with the Holsim Blower. This bag supports the Uterus Bag and Calf from underneath, providing a soft cushioned surrounding for the calf to be enclosed in.



1a —

INTERLOCKING BOVINE

Bovine Birthing Kit

SKU
B100-K100

- Birthing Calf with Bones
- Uterus Bag
- Inflatable Bag
- Blower & Blower Tube
- Birthing Shroud Mount
- Birthing Shroud Rump & Vaginal Entrance
- Rectum Bag & Clamp
- Tail
- Amniotic Fluid
- Bungee & Carabiner Kit
- Pelvis Cushion

When practising the birthing process, the Birthing Calf should be covered in Amniotic Fluid while being placed in the uterus bag. This represents the amniotic sac as realistically as possible and allows the calf to slide out of the birth canal naturally and smoothly.

Artificial Insemination Kit

SKU
B100-K200

- G-Tract A (Shroud, rump, etc.)
- G-Tract B (Vaginal Tube)
- G-Tract C (Uterine Horns)
- Rectum Bag & Clamp
- Blue Cervix or Red Cervix
- Tail
- Sim Poo
- Bungee & Carabiner Kit
- Blower & Blower Tube
- Pelvis Cushion
- Knurl Screws x 8

1b — INTERLOCKING BOVINE

Mastitis Udder Kit

SKU
B100-K300

- Vacuum Formed Udder
- Clear Teats x 4
- Mounting Rings x 4
- Teat Fasteners
- Knurl Screws x 4

Milking Udder Kit

SKU
B100-K400

- Vacuum Formed Udder
- Pink Teats x 4
- Mounting Rings x 4
- Teat Fasteners
- Knurl Screws x 4

Metri- Treating Kit

SKU
B100-K500

- G-Tract A (Shroud, rump, etc.)
- Uterine Horns with Stretchy V
- Rectum Bag & Clamp
- Bungee & Carabiner Kit
- Knurl Screws x 3

Cupping Udder Kit

SKU
B100-K600

- Cupping Udder on Mounting Board
- Knurl Screws x 4

Bovine

Calf Disbudding Kit

SKU
B300-K100

A model to teach corneal nerve block and horn disbudding techniques on calves.

The Calf Disbudding Model incorporates an electronic corneal nerve block which allows you to practice feeling for the correct position of the nerve and injecting at the correct angle and depth. When the nerve is hit with the needle, a buzzer sounds and the LED light will change colour.

After the corneal nerve block has been mastered, you are able to practice disbudding. Using our Holsim Disbudding Tool and disposable horn buds, you can practice feeling

for the bud, cutting through the skin and flicking the bud out. The calf has a realistic feel with hard skull, soft neck and floppy reinforced ears. Our Calf Disbudding Model is battery powered so can be taken anywhere for class learning.

KIT INCLUDES

- 1 x Calf Disbudding Model
- 1 x Disbudding Tool
- 10 x Horn Buds

Calf Disbudding Head Model (B300-000) Available



Bovine

Calf Disbudding Horn Buds Pack of 10

SKU
B300-200

Designed to be inserted into the Holsim Calf Disbudding Model.

These disposable horn buds allow you to practise feeling for the horn bud, cutting through the skin and flicking the bud out.

A soft silicone skin encases the 3D printed horn and foam support ring. These are designed to be used with the Holsim Disbudding Tool. Standard pack includes 10 buds.



Bovine

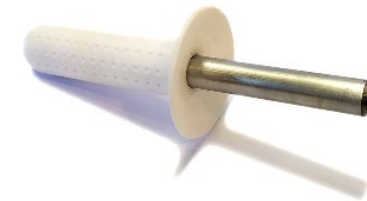
Calf Disbudding Tool only

SKU
B300-300

Designed to be used with the Holsim Calf Disbudding Model and Horn Buds.

The Holsim Disbudding Tool provides a realistic representation of a veterinarian's disbudding hot iron, used to disbud calves.

This tool allows you to practice the technique of burning through the skin and flicking the horn bud out, in a safe environment without the risk of burns or discomfort to the calf.



Bovine

Metri-Treating Model

SKU
B400-000

A model to teach students to detect cows with endometritis and treat uterine infections.

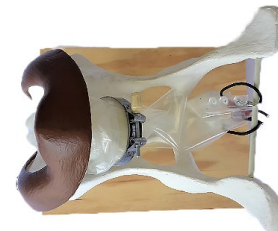
Students are able to identify at-risk cows at calving time and treat any uterine infections with antibiotics. This teaches them to increase reproductive and economic performance.

Students should be able to recognise each body part of the cow through feel and diagnose endometritis with the detecting device.

The model has anatomically correct uterine and horns, vaginal tract, cervix, vulva and rectum of the cow. The Metri-Treating Model is a standalone table top set up for easy classroom learning and transportation.

The Metri-Treating Model packs down into separate components for easy compact travelling and set up is just as easy.

Silicone components and Holsim Sim Poo create a life-like tactile experience for the user.



Bovine

Milking Udder On Stand

SKU
B500-000

A model to teach milking and teat sealing techniques.

Students can practise the technique of pulling and producing milk from the teats in a controlled environment with clear assessment from the tutor before advancing into the field. Students can also learn how treat mastitis in the teats.

The udder is made with moulded plastic, and each teat is removable for cleaning and maintenance. The udder can be filled with 'milk' for training.

There are two types of teats: pink for use with milking training, and clear, for teaching teat sealing techniques. The clear silicone allows students to see how far up into the teat the syringe is inserted and antibiotics are applied.



Bovine

Milking Teat Kit

SKU
B500-K200

Designed to be used with the Holsim Milking Udder.

These teats can be inserted into the milking udder for use of practicing milking techniques. Each teat can be cleaned after use. These teats come with mounting rings and fasteners for attaching to the milking udder.

KIT INCLUDES

4 x Pink Milking Teats
4 x Mounting Rings
1 x Fasteners Pack

Milking Teats only (B500-200) Available



Bovine

Mastitis Teat Kit

SKU
B500-K300

Designed to be used with the Holsim Milking Udder.

These teats can be inserted into the milking udder for use of practicing teat sealing for treatment of mastitis in cattle.

The clear silicone allows students to see how far up into the teat the syringe is inserted and antibiotics are applied.

Each teat can be cleaned after use. These teats come with mounting plates and fasteners for attaching to the milking udder.

KIT INCLUDES

4 x Clear Mastitis Teats
4 x Mounting Rings
1 x Fasteners Pack

Mastitis Teats only (B500-300) Available



Bovine

Udder Anatomy Model

SKU
B600-000

Cross-sectional anatomic display model of a cow udder.

Holsim has created a silicone and foam section model of an udder for students to study and understand how the udder works in a controlled and evaluated environment.

Moulded foam and silicone create a realistic feeling udder, which is sectioned to reveal the mammary and teat structure.

The model replicates the mammary veins, arteries, lymphatic vessels, four quarters and milk passages as well as teat structure.

The udder can be taken off its stand for further investigation and learning in the classroom.



Bovine

Cow Tail with Blood Taking Kit

SKU
B700-K100

Model of a cow tail with artificial blood pump and life-like coccygeal vein for practicing blood taking technique.

Vertebrae and vein positioning have been replicated from real bovine anatomy, allowing students to palpate for the correct position.

Blood is circulated through the vein by our Holsim Blood Pump to simulate the heart pumping. When inserting the needle, a realistic resistance is felt under the skin. Blood is circulated through the vein by our Holsim Blood Pump.

Blood Sampling Tail & Insert (B700-000) Available



* Note this does not come with clamp

When inserting the needle, a realistic resistance is felt under the skin. When pressure is applied, the vein bulges for students to see where to insert the needle.

The model is 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
- 1 x Stand

**Replacement insert available*

Bovine

Rectal Palpation & Pregnancy Kit

SKU
B800-K100

Teaching aid for manual pregnancy check and ovarian diagnostics.

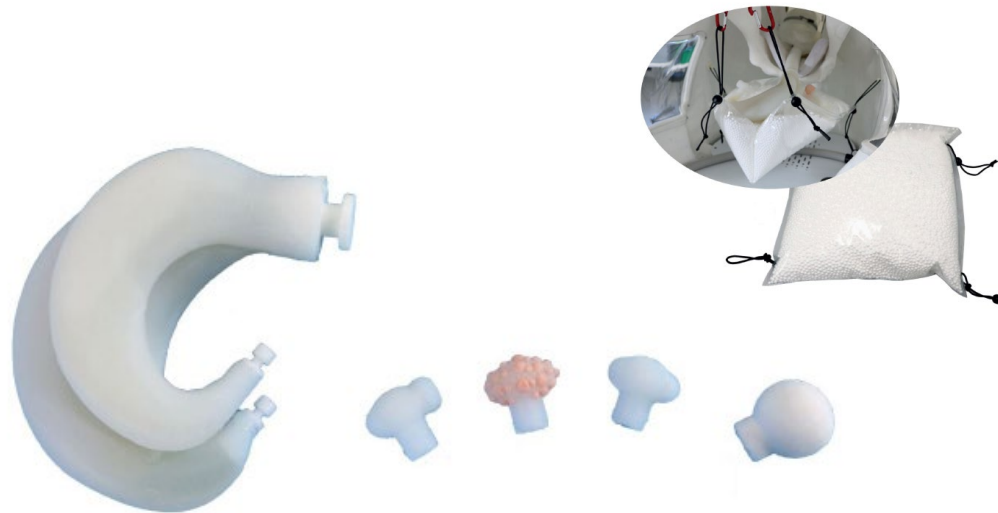
Students are now able to practice the most important steps of manual pregnancy checks and ovarian diagnostics.

Placing the uterus on an intestine cushion/bean bag, allows for realistic feeling and students are able to palpate the entire tract, including cervix, uterine horns and different variations of ovaries."

important signs of an early pregnancy (enlarged, fluid filled horn and membrane slip.) Additionally, the trainer can set up different cycle stages by exchanging ovaries which feature different functional bodies (small follicles, large follicle, Corpus luteum, cyst.)

This model represents the uterus with one horn in a pregnancy stage of approx. 42 days, and the other at 60 days. The pregnant horn is enlarged with a foetus contained inside. The pregnant horn is filled with amniotic fluid. Two membranes enable training of manual membrane slipping for pregnancy diagnostics.

* Spare parts available



There is lower stress on the student and lower emotional and psychological effects when performing operations.

Training on models decreases the risk of future vets becoming desensitised to animals being in pain.



03 —

Canine



Canine

Dog Catheter Model (Female)

SKU
C100-000

Section of back end of dog - approximately Labrador sized. Vagina, clitoral fossa, urethra and bladder in life-like cast silicone.

Mesh reinforced vulva for durability, a section of pelvis bone and soft foam surrounds the silicone g-tract for a life-like feel.

The bladder is filled with water from a tube at the back, which clips out of the way when in use. Once a catheter is successfully inserted, this water can be drained from the bladder like it would be from a real dog.

The model can be used upright (as shown) or on its side, with a bench mount for stability in both orientations.



Canine

Brachycephalic Dog Model

SKU
C200-000

**A model to teach intubation techniques on
Brachycephalic dogs.**

The Brachycephalic Intubation Model helps you navigate the mouth and respiratory region of Brachycephalic (short muzzle) dogs to help improve your ability to perform an intubation operation in real-life situations.

This anatomically correct training aid features a functioning jaw, a stretchy tongue, and an accurate throat system (epiglottis, trachea, soft palate, etc.). The throat system is visible at the back so you can check your accuracy in performing the procedure.

The intubation model also comes with 4 mounting brackets to mount to a stand or other device of your choice.



Canine

Canine Intubation Model

SKU
C300-000

A model to teach intubation techniques on medium to large sized, long muzzle dogs.

The Canine Intubation Model helps you navigate the mouth and respiratory region of a dog to help improve your ability to perform an intubation operation in real-life situations.

This anatomically correct training aid features a functioning jaw, a stretchy tongue, and an accurate throat system (epiglottis, trachea, soft palate, etc.) The throat system is visible at the back so you can check your accuracy in performing the procedure.

The intubation model also comes with 4 mounting brackets to mount to a stand or other device of your choice.



Canine

Oesophageal Dog Model

SKU
C400-000

A training model for classroom teaching of feeding tube insertion into dog oesophaguses.

The Canine Oesophageal Feeding Tube model helps you learn where to make an incision on a dog's neck and how to navigate tools through the mouth and respiratory region to improve your ability to place a feeding tube through a dog's neck.

This training aid features a functioning jaw, accurate mouth and throat features (tongue, epiglottis, soft palate, etc.), and a surgical block with a jugular vein.

The surgical jugular block is a replaceable part that can be cut and sutured multiple times. It also allows you to palpate where the jugular vein is located to improve your operational skills and connect the blood pump to the jugular vein.

There is a stomach opening at the rear of the model to show you if you have correctly placed your feeding tube. The model comes with connection points on the back to attach a mounting bracket if needed. Contact us for any spare parts or mounting brackets.



Canine

Canine Oesophageal Jugular Block

SKU
C400-200

**Replacement jugular block for the Holsim Canine
Oesophageal Feeding Tube Model.**

The surgical jugular block can be cut and sutured multiple times. It also allows you to palpate the jugular vein, and learn where it is located, to improve your operational skills.

The jugular block sits into the dog model snugly, intersecting the trachea and oesophagus. The block is secured in place with velcro.



Canine

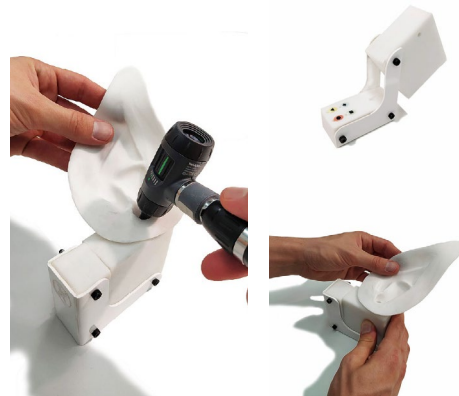
Ear Examination Model (Otoscope)

SKU
C500-000

A training model for otoscope examination and cleaning techniques of dog ears.

Ear problems in dogs are a frequent occurrence in veterinary clinics. Most cases can be resolved with a thorough examination and clean of the ear. Ear infections are often caused by allergy-related issues, foreign bodies or the anatomy of the ear.

The ear model includes an anatomically correct silicone pinna, representing that of a Labrador, and an ear canal (horizontal and vertical). The pinna can be pulled gently up and back from the head of the dog, to open up the canal tract. Students can learn how and where to palpate the ear canal correctly to dislodge any debris trapped in the ear. The palpable area is made from softer silicone than the pinna, allowing it to be pushed and rubbed in a circular motion to dislodge any debris.



Due to the model being made from silicone, the ear canal can be filled with cleaning fluid or saline solution. The pinna is detailed with cartilage folds, to allow students to practice using a tissue, gauze or q-tip to clean the outer area of the pinna. The ear canal can also be filled with substances to represent wax or debris in the ear, giving a more realistic representation of the ear. The ear can be easily cleaned and flushed out with soapy water after use.

Interchangeable coloured ear drums with symbols allow the tutor to challenge students on what to look for when using the otoscope down the ear canal. These ear drums come as a set of four. One is placed at the end of the horizontal canal during the procedure. Having both the different colours and different symbols on the eardrums pose varying difficulty levels for the students. Recognising the colour of the eardrum is stage one. Recognising both the colour and symbol of the eardrum is stage two.

The ear canal block can be clamped to a table or bench for controlled learning in any environment. It can be clamped in both upright and horizontal positions to represent how the dog may be lying/sitting on the operation table.



CANINE

Canine

Jugular Blood Sampling Kit

SKU
C600-K100

Canine head and neck model with jugular vein and blood pump.

Anatomically correct head and neck of a medium sized dog, with replaceable jugular vein patch on one side.

Vein patch has skin, fat and muscle layers to give a more realistic feel when inserting needle. Blood is circulated through the vein by our Holsim Blood Pump to simulate the heart pumping.

When inserting the needle, a realistic resistance is felt under the skin. When pressure is applied, the vein bulges for students to see where to insert the needle.

KIT INCLUDES

- 1 x Canine Jugular Blood Sampling Model
- 1 x Blood Pump
- 1 x Jar of Artificial Blood

Jugular Blood Sampling Model (C600-000) Available



Canine

Canine Cardio Audio Box

SKU
C700-000

A training model to identify heart murmurs in each heart valve in dogs.

Veterinary students are able to use their stethoscope to determine which of the four heart valves have murmurs. The audio box enables the tutor to associate murmurs with individual heart valves for the student to listen to and identify. The Canine Cardio Audio Box has been designed to only be heard with the stethoscope during student training when inserted into a Holsim Dog.

With Lung Auscultation (C700-200) Available

The audio box anatomically mirrors the heart of a dog with individual murmurs to be associated with each heart valve. Students can find the heart placement by counting the ribs of the dog.

Each valve can be turned on or off to include a "whoosing" sound to represent the murmur. The audio box represents the four heart valves: mitral, aortic, pulmonary and tricuspid. The box is able to undergo heart compressions when inserted into a CPR Dog. An additional module to allow lung auscultation training with a variety of lung sounds can also be added.

Note: A CPR Dog must be provided in conjunction with these products. We can provide this with extra cost added, for more information get in touch with us via email.



Canine

IV Dog Leg Kit Standard

SKU
C800-K100

A simple, transportable training tool for fluid administration. This is a kit that includes the model, blood pump, IV insert and jar of blood.

Veterinary students are able to practise finding the cephalic vein in a controlled environment for intravenous therapy or blood sampling with clear assessment and feedback from the tutor.

The dog skin insert is firstly connected to the tubes in the dog leg. The blood is poured into the pump and then switched on. The blood will circulate through the vein tubing, where the student can then attempt to identify the cephalic

IV Leg Model Only (C800-000) Available

vein and withdraw blood or administer the required fluids or drugs. The Holsim IV Dog Leg allows students to understand the bone and vein structure of a dog leg. The shaved skin can be removed to show the layer of skin, fat and muscle tissue. The blood is pumped through the main cephalic vein into the skin section where students, if accurate, will be able to withdraw blood, inject drugs or practice setting up a drip.

KIT INCLUDES

- 1 x IV Dog Leg Model with IV Insert
- 1 x Blood Pump
- 1 x Jar of Artificial Blood



Canine

IV Dog Leg Insert – Standard

SKU
C800-200

Designed to be used with the Holsim IV Dog Leg and Canine Jugular Blood Sampling Model.

The dog skin insert is first connected to the tubes in the dog leg or neck. The blood will circulate through the vein tubing, where the student can then attempt to identify the vein and withdraw blood or administer the required fluids or drugs.

The insert has a realistic resistance under the skin when the needle is inserted. The vein also bulges slightly when pressure is applied. The insert also has coloured skin, fat and muscle layers.



Canine

Hind Limb IV Bandaging Leg Kit

SKU
C800-K1100H

An IV and Bandaging training model all in one. This is the whole kit including range of products such as Blood pump, Artificial blood and IV Dog Limb Model with hind limb insert.

Veterinary students are able to practice finding the cephalic vein in a controlled environment for intravenous therapy or blood sampling with clear assessment and feedback from the tutor.

IV & Bandaging Hind Limb (C800-1000H) Available

Blood circulates from the Holsim Blood Pump through the vein tubing, where the student can then attempt to identify the cephalic vein and withdraw blood or administer the required fluids or drugs.

The leg can also be used for teaching bandaging methods, especially as the toes of the dog leg can be spread to wrap the bandage between.

KIT INCLUDES

- 1 x IV Dog Hind Limb Model with IV Insert
- 1 x Blood Pump
- 1 x Jar of Artificial Blood



Canine

IV Insert - Bandaging Hind Limb

SKU
C800-1200H

**Designed to be used with the Holsim
Hind Limb Bandaging & IV Model.**

The dog skin insert is first connected to the tubes in the dog leg. The blood will circulate through the vein tubing, where the student can then attempt to identify the vein and withdraw blood or administer the required fluids/drugs.

The insert has a realistic resistance under the skin when the needle is inserted. The vein bulges slightly when pressure is applied. The insert also has coloured skin, and muscle layers.



Canine

Forelimb Canine Bandaging & IV Kit

SKU
C800-K1100F

An IV and Bandaging training model all in one.

Veterinary students can practise finding the cephalic vein in a controlled environment for intravenous therapy or blood sampling with clear assessment and feedback from the tutor.

Blood circulates from the Holsim Blood Pump through the vein tubing, where the student can then attempt to identify the cephalic vein and withdraw blood or administer the required fluids/drugs.

The leg can also be used for teaching bandaging methods, especially as the toes of the dog leg can be spread to wrap the bandage.

KIT INCLUDES

- 1 x IV & Bandaging Forelimb Model with IV Insert
- 1 x Blood Pump
- 1 x Jar of Artificial Blood

IV & Bandaging Forelimb (C800-1000F) Available



Canine

IV Insert - Forelimb Bandaging Model

SKU
C800-1200F

**Designed to be used with the Holsim Forelimb Bandaging
& IV Model**

The dog skin insert is first connected to the tubes in the dog leg. The blood will circulate through the vein tubing, where the student can then attempt to identify the cephalic vein and withdraw blood or administer the required fluids/drugs.

The insert has a realistic resistance under the skin when the needle is inserted. The vein bulges slightly when pressure is applied. The insert also has coloured skin, and muscle layers.



Canine

Articulated Dog Bones

SKU
C900-200

Anatomically precise 3D printed dog bones.

3D printed bones accurately show important osteological features of the hind limb, from the hip down to the digits, enabling students to learn and identify the name, position and function of the features.

The bones come pre-drilled in exactly the right places (for threading together) to allow easy demonstration of how the joints fit together and the major ligaments of joints. Bones can be drawn on with water-based pens and then washed clean in soapy water.

Disassembled (C900-000) or Assembled Available

Holsim Dog Bones were 3D scanned from bones prepared from a single real dog, and then 3D printed from renewable bioplastic. Because the original scan data for the bones came from a single dog, all of the bones are in proportion and fit together snugly.

This product can be purchased in both pre assembled as well as disassembled.



Canine

Dog Bones

SKU
C1000-000

Anatomically precise 3D printed dog bones enable students to name, position and function each bone and its features.

Holsim Dog Bones were 3D scanned from bones prepared from a single real dog, and then 3D printed from bioplastic. Because the original scan data for the bones came from a single dog, all of the bones are in proportion and fit together snugly.

The fore and hind limbs have all major bones, all carpals and tarsals and a representative digit (III). The set includes vertebrae from each region, a sacrum and two ribs.

Limb bones in the Holsim Dog Bones set come pre-drilled for threading together, demonstrating how the joints fit together with the major ligaments.



Canine

Mesopcephalic Dental Dog

SKU
C1100-000

Holsim's Mesocephalic Dental Dog is an anatomically correct training model for teaching dental and intubation techniques on medium-sized dogs.

Our canine dental training model features a full set of replaceable resin teeth, with soft silicone gums. The teeth include all 42 teeth, with incisors, canines, premolars, and molars. Each section can be swapped in or out easily with a screwdriver.

The dental model features an open jaw. The dental model features a stretchy silicone tongue, soft palate, epiglottis, and entrances to the trachea and oesophagus for teaching intubation techniques.



Canine

Mesocephalic Dental Dog - Teeth Set (Standard)

SKU
C1100-200

Holsim Mesocephalic Standard Teeth Set is designed to be used with our Mesocephalic Dental Dog Training Model.

The teeth are 3D printed from resin and have a soft pink silicone gum attached. The set includes all 42 adult teeth, with incisors, canines, premolars, and molars for both the upper and lower jaw.

The teeth are divided into sections to be able to be swapped in and out of our dental dog head easily with a screwdriver.

Ask us about different types of replacement teeth sets! We will be having a tooth extraction set, and plaque-covered teeth set in the future. Stay tuned!





04 –

Equine

Societal attitudes toward educational animal use, particularly with invasive procedures, have changed in recent decades. Regulations regarding animal welfare have also changed, making the traditional uses of animals in the teaching of clinical procedures less acceptable from both societal and regulatory perspectives.

Equine

Distal Limb Nerve Block

SKU
E100-000

An easy-to-use model that trains students effectively in distal nerve block procedures.

An anatomically correct accurate representation of a horse's leg below the carpus.

Students can practice the following nerve blocks:

- Low Palmar digital
- Mid-Pastern Palmar digital
- Low Palmar
- Palmar

Audio feedback is sounded upon the correct placement of nerve block needles. The model has life-like nerve palpation and needle resistance using our electro-silicone technology.

Distal Limb Insert (E100-200) Available



Equine

Nasogastric Intubation Horse

SKU
E200-000

Teaching aid for the inserting and placement of nasogastric tubes through the oesophagus.

Holsim's Equine Nasogastric Intubation Model is an anatomically correct teaching aid for veterinary students to learn how to insert nasogastric tubes through the oesophagus to relieve colic issues, administer drugs, or provide nutrition to the horse when not eating. This teaching aid can also be used to teach tube entry into the trachea for respiratory issues. Nasogastric intubation is an essential and possibly life-saving procedure performed routinely in cases of equine colic to decompress the stomach and provide therapy.

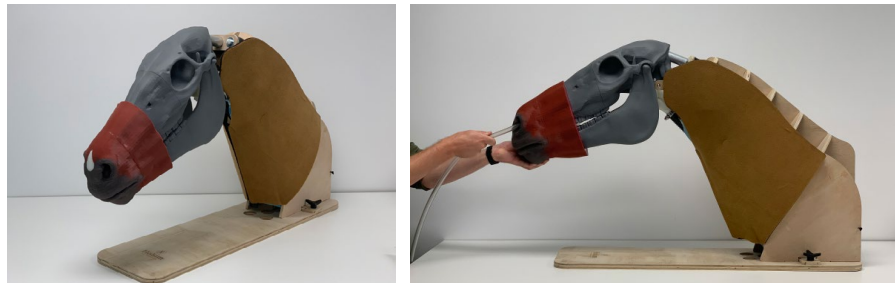
The model has a soft silicone nose, with both true and false nostrils. The nasal cavities lead up through a 3D printed resin skull, representing the hard palette in the nasal cavity. As the tube reaches the pharynx, a soft resistance can be felt as it connects with the larynx/oesophagal opening. The head of the horse can either be pushed downwards for the tube to pass into the oesophagus or can be raised for the tube to enter the trachea. The tube can be turned and adjusted both

ventrally and medially to ensure correct positioning before entering either passage. The tube can visually be seen travelling down the left-hand side of the horse's neck, as it passes down through the oesophagus. Students can also physically feel the tube passing down underneath the horse's skin on the neck

The trachea has a slight ribbing to it, to represent the tracheal rings/cartilages. These can be felt when the tube is passed down the trachea. If the tube is in the trachea, shaking it will result in a hollow rattle.

The Holsim Equine Nasogastric Model can be used in the classroom for ease of teaching. The base of the model has a drainage hole where a stomach can be connected underneath, filled with sour feed or stomach contents to teach students syphoning of the stomach. The neck skin on the horse can be removed for washing.

Please enquire with Holsim about additional jugular vein blood sampling: info@holsim.co.nz





05 —

Feline

For many students, participation in harmful live animal use, generates powerful emotional experiences and high levels of stress. These have considerable potential to adversely affect cognitive processes such as learning.

Feline

Male Urinary Catheter

SKU
F100-000

Male feline model that allows practice of correct urinary catheter placement.

This model is an anatomically correct male feline that allows practice of correct urinary catheter placement. The model can be clamped to a desktop or table and has non-slip rubber feet to prevent it from moving during the procedure. An internal casing can be removed from the cat, which holds the bladder, pelvis bone and penis with a soft foam surrounding.

A replaceable suture block sits in the backside of the cat, with a mesh reinforcement in the silicone, allowing the catheter to be stitched to the skin. The bladder can be filled with water from the fill tube on the back of the stand, for real life feedback and bladder drainage practice. The prepuce can be rolled backwards to expose the penis for catheter insertion.

We have a range of colour options for the different cats such as grey&white, ginger, black, and black&white.



Feline

Male Feline Urinary Catheter Suture Block

SKU
F100-200

Replacement suture block designed to be used with the Holsim Male Feline Urinary Catheter Model.

This is the suture block for the Male Feline Urinary Catheter Model. This suture block sits in the backside of the cat and snaps into place magnetically.

The suture block has mesh reinforcement in the silicone, allowing the catheter to be stitched to the skin. The block includes anus and prepuce.





06 —

Porcine

Approximately 90% of published educational evaluations have shown that students being taught with ethical teaching methods achieved the same or better learning outcomes than using live animals.

Porcine

Interlocking Plywood Pig

SKU
P200-000

A flat-pack model allows for a variety of veterinary models to be used in conjunction with it.

This life-size sow is a flat-pack, interlocking model which allows feature models to slot into compartments on the body and head. This allows you to upgrade the pig with new procedures as they're developed. Made from high-grade 12mm ply with a coating/finish of your choice, this pig is robust and durable for student training in the classroom.

The head can raise and lower 30 degrees to the horizontal, for use when blood sampling from the jugular and restraining/snaring the pig's snout. When the head lowers, the spring-loaded jaw will open. When the head is raised, the jaw will shut closed.

Durable 12mm high-grade plywood frame. Flat-pack for ease of transportation/shipping. Articulating neck and spring-loaded jaw for raising/lowering head to +/- 30degrees. Able to have Holsim feature models added/removed at ease. Removable top cage for ease of access to G-tract set up. Life-size anatomically correct sow.



Porcine

Intramuscular Block With Blood Taking Kit

SKU
P300-K100

A training model designed to be used with the Holsim Interlocking Porcine for Intramuscular Injection training and Auricular Vein Sampling.

This anatomically correct intramuscular injection block has conductive silicone patches embedded under the skin behind the ear. When the correct injection point has been achieved, a buzzer sounds, and the LED light turns green.



There is also an option to have the buzzer off while the student is training, when they believe they're at the right point of injection, the tutor may switch the buzzer on to see if the student is correct.

This anatomically correct pig ear model has a palpable silicone lateral auricular vein running through the ear which connects to our Holsim Blood Pump. The ear can be folded to expose the vein for needle insertion.

KIT INCLUDES

- 1 x Intramuscular Injection with Blood Sampling Ear
- 1 x Blood Pump
- 1 x Jar of Artificial Blood
- 1 x Knurl Screw

Porcine

Pig Ear

SKU
P400-000

A training model is designed for lateral auricular vein blood sampling kit.

This anatomically correct pig ear model has a palpable silicone lateral auricular vein running through the ear which connects to our Holsim blood Pump. The ear can be folded to expose the vein for needle insertion. This ear is stand-alone, however for a full experience purchase the Intramuscular Block & Blood Sampling Ear combination.



Porcine

Ear Blood Taking Kit

SKU
P400-K100

A training model for lateral auricular vein blood sampling.

This anatomically correct pig ear model has a palpable silicone lateral auricular vein running through the ear which connects to our Holsim Blood Pump. The ear can be folded to expose the vein for needle insertion.

This ear is stand-alone, however, for a full experience, purchase the Intramuscular Block & Blood Sampling Ear Combination.

KIT INCLUDES

- 1 x Blood Sampling Ear
- 1 x Blood Pump
- 1 x Jar of Artificial Blood



Porcine

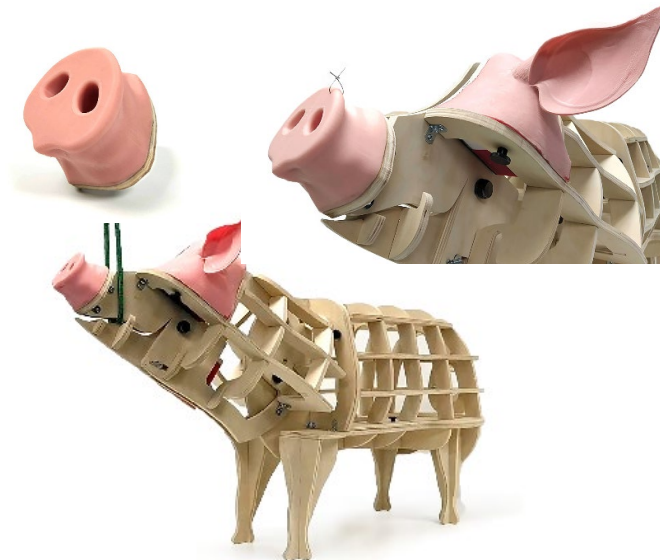
Snout Nose Ringing/ Snaring Model

SKU
P500-000

A soft silicone snout with a tough septum for nose ringing and snaring techniques.

Tough cartilage is embedded in the septum and tip of the snout for various ringing application training techniques

The snout is made from soft silicone. This can be bought stand-alone or can be bought for mounting onto our Interlocking Porcine Model for a more life-like experience and can be used with the articulating neck of the pig and snaring techniques.



Porcine

Jugular Blood Taking Kit

SKU
P600-K100

A training model for teaching jugular blood sampling, for use with the Interlocking Porcine.

This jugular block has a definite visual curve, following the hollow of the neck, to indicate the injection point for blood sampling from the jugular vein.

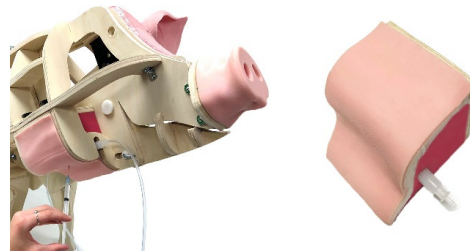
Soft foam is embedded under silicone skin for a tender feel during palpation. Our Holsim Blood Pump connects to the jugular vein to allow for a pulsing blood flow.

This jugular block is best used with our Interlocking Porcine Model as the head can be raised to 30 degrees from the horizontal to correctly expose the jugular vein for blood sampling.

KIT INCLUDES

- 1 x Jugular Blood Sampling Model
- 1 x Blood Pump
- 1 x Jar of Artificial Blood
- 2 x Knurl Screw

Jugular Blood Sampling Model (P600-000) Available



Porcine

Interlocking AI Model

SKU
P700-K100

A training model for teaching artificial insemination, for use with the Interlocking Porcine.

Anatomically correct silicone internal tract with the cervix, vaginal tube and bladder entrance. When the correct place is hit with the insemination rod, an "oink" is sounded. Practice makes perfect because if you get it wrong, it hurts! A badly inseminated sow won't let anyone inseminate her again, forcing your prized sow to become bacon. This is best when mounted to our Interlocking Porcine for a more realistic experience.

KIT INCLUDES

1 x Artificial Insemination Model
1 x Keyhole Bracket
1 x Shroud
2 x Knurl Screw

05 —

Accessories

Regarding practical AI training, the aspect of animal welfare in modern animal breeding is currently moving more and more into the focus. A study was carried out at the German Institute for Reproduction of Farm Animals IFN in cooperation with the University of Veterinary Medicine in Hanover to assess stress levels of cattle during artificial insemination. It was found that participants who had carried out preliminary exercises on our Holsim AI Cow model, induced lower cortisol concentrations in the cows than participants who were only theoretically instructed beforehand. Therefore, the research group recommends instructing the participants on an animal model before the practical exercise.

Accessories

Suture Pad

SKU
Z100-000

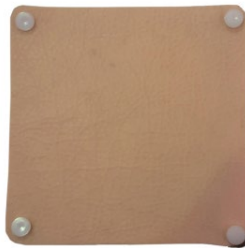
A training pad for practising surgical stitching.

Holsim Suture Training Pads allow students to maximise surgical stitching techniques. Tutors can teach their students needle placement, stitching patterns, knot-tying, superficial and surgical closures.

Suture Training Pads can come in a range of wounds, cut patterns and skin layer depths. Students will learn how to select the correct needle and thread type to use for the wound, needle insertion positioning, stitch spacing, burying the final knot and removing the stitches once the wound has healed.

Holsim Suture Pads will enhance student learning and allow them to develop their skills, prepare the wound for sutures, understand the properties of suture equipment, and gain a full understanding of skin anatomy.

The suture pad replicates the skin and tissue layers; epidermis, subcutaneous and deep fascia for a realistic learning experience. Skin layers are reinforced with mesh to give a lifelike tension and strength. Suture pads provide a realistic resistance for the needle to push through during stitching.



**Note these images are the older version
has been slightly upgraded*

Accessories

Suture Pad Base

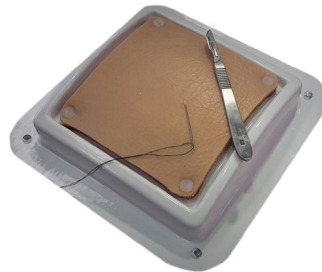
SKU
Z100-200

A non-slip base for mounting the Holsim Suture Pad.

The Holsim Suture Pad non-slip base fits our standard suture pads, raises the pad off the table, and provides a firm non-slip surface for practising suturing.

The non-slip base comes in white, with other colours are available for larger orders.

Contact us for bulk order pricing.



**Note these images are the older version
has been slightly upgraded*

Accessories

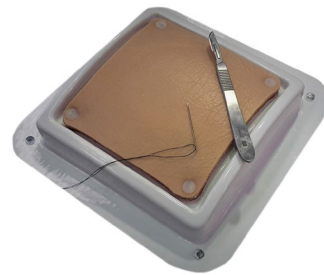
Suture Kit

SKU
Z100-K100

A training kit with suture pad and non-slip base for practising surgical stitching.

Holsim Suture Training Pads allow students to maximise surgical stitching techniques. Tutors can teach their students needle placement, stitching patterns, knot-tying, superficial and surgical closures.

Suture Training Pads can come in a range of wounds, cut patterns, and skin layer depths. Students will learn how to select the correct needle and thread type to use for the wound, needle insertion positioning, stitch spacing, burying the final knot, and removal of the stitches once the wound has healed.



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A non-slip base for mounting the Holsim Suture Pad. The Holsim Suture Pad non-slip base fits our standard suture pads. It raises the pad off the table and provides a firm non-slip surface for suture practice.

KIT INCLUDES

- 1 x Suture Pad
- 1 x Non-Slip Base
- 4 x Push Fasteners

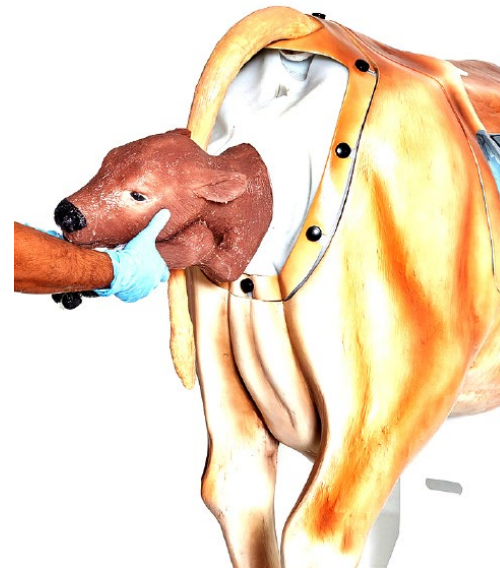
Accessories

Amniotic Fluid

SKU
Z200-000

Holsim Amniotic Fluid is designed to be used with the Holsim Interlocking Bovine and the Holsim Birthing Calf.

When practising the birthing process, the Birthing Calf should be covered in Amniotic Fluid while being placed in the uterus bag. This represents the amniotic sac as realistically as possible and allows the calf to slide out of the birth canal naturally and smoothly.



Accessories

Sim Poo

SKU
Z300-000

Holsim Sim Poo is designed to be used with the Holsim Interlocking Bovine.

Sim Poo provides the cow with a realistic representation of excrement inside the rectum, giving the students an accurate tactile experience during AI training.

The Artificial Insemination Kit includes a barreling pump to mimic the action of pneumonectomy in cows, and the Sim Poo is used to teach students how to relieve rectum pressure, to avoid being sprayed with Sim Poo.



Accessories

Blood Pump

SKU
Z400-000

Designed to be used with the Holsim Blood Sampling Models.

This is a small battery-powered, electronic pump, that replicates the rhythm of a heart pumping.

The pump will circulate Holsim Artificial Blood through the vein tubing and into the veterinary model e.g. IV or Jugular patches. The blood is pumped through vein tubing into the blood sampling model where students, if accurate, will be able to withdraw blood, inject drugs or practice setting up a drip. Available continuous flow for tail vein



**Note these images are the older version has been slightly upgraded*

Accessories

Artificial Blood

SKU
Z400-200

Designed to be used with the Holsim Blood Pump and Holsim blood sampling veterinary models.

This artificial blood simulates the colour and consistency of real blood. Students can use this to practice blood sampling techniques accurately. The jar contains 400ml of artificial blood.



Accessories

Blower & Blower Tube

SKU
Z500-000

Designed to be used with the Holsim Inflatable Bag for birthing simulation.

This is an electronic pump for filling the inflatable bag to support the calf in the uterus bag, providing a cushioned surrounding. The blower can plug into the wall for power for fast inflation.



Accessories

Bungee & Carabiner Kit

SKU
Z700-000

Designed for a variety of functions across the Holsim product range.

In the Bovine Artificial Insemination Kit, the bungee cords are used to adjust the position of the uterus and cervix to simulate different ages of cows.

In the Bovine Birthing Kit, they are used to suspend the uterus bag to make it easier or harder to birth the calf. It is also used to allow the simulation of a prolapsed uterus.

They can be used to adjust the tension of the cervix to simulate degrees of difficulty.



Accessories

Holsim Wooden Mallet

SKU
Z900-000

A wooden mallet to allow for ease of assembly of our interlocking animal models.

This mallet is made from the same plywood as our models, so won't damage the components during assembly.



