

DYSTOCIA CALF MODEL

Care, Handling and Maintenance

Veterinary Simulator Industries Ltd. has developed this dystocia calf model to aid in the instruction and demonstration of various dystocia positions and remedies thereof. A great deal of research and testing has been involved in producing the most durable simulator with the greatest flexibility and most natural movement. However, in order to create a product that is a close biological mimic, VSI has employed a soft skin and articulated skeleton that require care and supervision in handling. The VSI dystocia calf model should be used only for table-top demonstration or with the compatible VSI dystocia cow model. In no instance should the calf model be used with any other manufacturer's simulators.

VSI provides warranty for any manufacturer defects, but can't provide protection against damage caused by misuse and unsupervised handling. The model is heavy, yet has a delicate nature and should be treated as such, similar to a real animal. Although a real calf may experience trauma and rough handling during its birth, it only needs to endure this procedure one time. Your calf may experience the birthing procedure several times a day. These simple instructions are intended to provide some guidance and awareness that will help your VSI dystocia calf model last for years of use in your educational environment, but nothing super-cedes common sense and good judgment.

We always recommend the VSI calf model be used only with a VSI bovine dystocia simulator model, or for table-top demonstration, and especially in conjunction with the VSI uterine bag, as other simulators may cause damage to the calf model. Loading the calf into the bag is a process greatly eased with the application of a moderate amount of lubricant.

Although the calf model has been designed for instruction in chaining legs and pulling with jacks, it is not intended to be unduly strained in pulling, or to be dropped on to surfaces from any height. Mishandling in this way or any other way can cause damage to the skin, hooves, and skeleton.

When used with VSI cow model and uterine bag, moderate amounts of water-based lubricants should be used on the calf model, inside the uterine bag and on the perineum panel to help create a realistic, slippery surface, and to limit resistance and friction that may cause damage to the soft skins.

The floor mat provided with the VSI dystocia cow model should always be employed when there is potential danger of dropping the calf. Otherwise, a padded surface should be used in the event the calf is unduly released and is dropped.

When demonstrating use of the head-snare, only the soft VSI chin support piece should be used, as other snares may cause damage. The calf model should never be carried by the tail or ears, as this may result in damage.

The skin of the VSI calf model is composed of silicone, which can be difficult to repair with any materials other than the adhesives provided by, or silicone adhesives recommended by VSI. When gluing tears, first thoroughly clean the damaged area with rubbing alcohol, never with harsh chemicals or solvents. Allow the glue to set and cure for at least 16 hours before use. Tears should be repaired as soon as they appear, in order to prevent further tearing and to close any openings that allow access to the body cavity.

For general cleaning, the entire calf model can be power washed or scrubbed with mild detergent and water and a soft cloth, but should not be immersed. If there are tears in the skin, care should be taken to avoid getting water inside the body. Repairs should be completed and cured before the model is given a general washing.

The calf model is best stored in the VSI dystocia cow model, supported by the air-support system, as long as the chambers of the support system are properly inflated. Otherwise, the calf is best kept in the provided storage bag. If the calf is stored in any other way, a padded surface and covering should be used. The soft skin, combined with the weight of the calf, can be permanently impressed by resting on a hard surface for long periods of time. The skin of the calf has a somewhat tacky nature which tends to attract dirt and other particles, therefore should be covered when not in use.

VSI continues research and development of techniques, design, and materials in an effort to improve all aspects our products, attempting to create the optimal educational and interactive tools. We invite feedback and suggestions in an ongoing collaborative effort between our manufacturing industry and our end-use clientele.



See • *Simulate* • Do • Teach

DYSTOCIA CALF MODEL WARRANTY

Warranty, Care, Use

This document contains information regarding warranty, care, use, and maintenance pertaining to the VSI dystocia calf model. VSI Ltd. has dedicated a great deal of time, energy, and funds into the design and development of the dystocia calf model, but only real-world use in varied situations over a protracted period of time has properly determined the functionality, durability, and requirements of the model. With this information, VSI has attempted to create price point, purchasing, and warranty guidelines that best suit both VSI and the end-user clients, as well as provide aid in the purchasing decision.

The dystocia calf and cow model were designed and developed with particular parameters of use in mind, based on available technology and on consultation with professional collaborators, namely veterinary educators and practitioners. The model has seen use outside these original parameters, both in frequency, environment, supervision, and general expectation. VSI has attempted to make design and composition changes to accommodate broader use of the models, but this has generally only served to widen the expectation of use and push the models further beyond their limitations.

The dystocia models are intended to demonstrate in-utero mal-presentation and the subsequent in-utero manipulation to properly present the calf for extraction, under the guidance and supervision of qualified instructors. Extraction should be kept to a minimum, as this is the process by which the models endure the greatest strain and the greatest risk of damage. When the calf is extracted, it should never be allowed to drop to the floor, should be gently lowered, and the floor should always have a soft drop-mat in place in case the calf is accidentally dropped.

The model is not meant for public demonstration unless all of the above guidelines can be followed during such a demonstration. The model is heavy, yet has a delicate nature and should be treated as such. Although a real calf may experience trauma and rough handling during its birth, the real calf only needs to endure this procedure one time. The VSI model calf may experience

the birthing procedure several times throughout its lifetime. With proper care, clients have been able to extract the calf from the cow model over 1000 times without any major issues. A single instance of mishandling can cause irreversible damage.

Detailed instructions on use, care, and maintenance are included with the models, and are intended to provide some guidance and awareness that will help your VSI dystocia calf model last for years of use in an educational environment, but nothing supersedes common sense and good judgment.

VSI provides a 1 year warranty (commencing the date the model is received by the purchaser) for any manufacturer defects, but cannot provide warranty protection against damage caused by misuse and unsupervised handling, or the appearance of a manufacturer defect after the stated 1 year period. If the calf shows damage after 1 year of use, it may still be repaired and refurbished by VSI for a fee and applicable shipping charges.

We rely on our partners in education for their input, dedication, and collaboration in the continued development, improvement, and use of VSI simulation models. We believe practical models are an important part of the modern didactic system, but we depend on the understanding and cooperation of the professionals who employ them in their programs.

Please contact Veterinary Simulator Industries Ltd. for specific repair instructions or any concerns or inquiries.

*Veterinary Simulator Industries
Calgary, Canada, (403)-262-9393,
www.vetsimulators.com,
consult@vetsimulators.com*

*Stay up to date with new products and features on
Facebook, YouTube and Instagram [@vetsimulators](#)*