



AI TRAINING MODEL "HENRYETTA"



A new approach to artificial insemination training

AI training advances to the next level with the new, life-like training model cow "Henryetta". This revolutionary concept offers unique training opportunities and provides more flexibility around the timing and location of your AI courses.

Most realistic, life-like AI training model on the market

The most realistic training device in the market replicates a cow's reproductive tract and pelvic cavity. It consists of a fibre glass body and silicone internals. Four windows allow internal views so the trainee's procedure can be guided and assessed. Heating simulates body temperature and inflation of the bowel mimics pneumorectum. Gynaecological parts like the cervix and uterus can be removed for guided training at the initial stages.

Better quality and more flexibility for your AI training

Henryetta provides an innovative approach to AI training that has been shown to lead to significantly faster achievement of learning goals. Through large windows, trainers can monitor AI success and more students can benefit from the training at the same time. Additionally, a difficult or easy cervix can be used among many more options for training variations. Expenditures around providing live animals and slaughterhouse organs can be greatly reduced.

Benefit from the proven advantages for AI training and enhancement of animal welfare!

Anatomically Correct

including full reproductive tract and rectum

Viewing Windows

for control of trainees' actions

Padded Pelvis

for realistic feeling of bone structure and pelvic fat



Barreling Pump

for imitation of pneumorectum

Life Like Tail

for learning techniques on how to handle the tail

Temperature Controlled

for realistic body temperature

Removable Rump and Tail

for easy cleaning





Training courses - Henryetta improves speed and results at LIC in New Zealand

AI training initially consisted of examining anatomical specimens and passing insemination instruments through the cervix into the uterus. Nowadays, training standards have reached a highly professional level in most countries. Trainees have to pass a theoretical test followed by training on real organs and finally on live animals. Nevertheless, the current standard is at risk with the reduced availability and access to live animals and organs due to costs, logistics and animal welfare standards.

Livestock Improvement Corporation (LIC), a long established New Zealand breeding company, faced these problems and solved them by developing "Henryetta", an anatomically correct AI training device. LIC trains more than 100 AI technicians every year. During the three months AI season, 950 AI technicians inseminate over 4.3 million cows on farms around New Zealand.

Henryetta's visual as well as its haptic appearance is more natural than of any other training device. Even the body temperature, a pneumorectum or the handling of the cow's tail can be simulated. Besides the fact that the use of Henryetta as a training model helps to improve the corporate image, its introduction in AI courses results in a much steeper learning curve. Data on training success rates of LIC verify this fact. Before Henryetta was invented, only 55% of trainees passed week one of technician training. This rate was increased to over 80% in the following years with the help of Henryetta.

The training process

Henryetta provides a new approach to practical AI training. After covering theory with information on the bovine cycle, heat detection and insemination, trainees move into the practical part of the training.

1. The first step is to practice passing an insemination instrument through a cervix held in the trainee's hand. The trainee must feel the cervical rings and try to pass them with his eyes shut.



2. Once step 1 is mastered, the cervix is inserted into the silicone reproductive tract and the trainee repeats the exercise with the complete tract in front of him.

3. Finally, insemination is practiced on the artificial cow. Every assembly of the cervix into the reproductive tract results in a differently shaped tract, which also effectively simulates real conditions.



Year		2010-2012 (before Henryetta)	2013-2016 (with Henryetta)
Trainees (n)		421	371
Passed week 1	n	231	301
	%	55	81

Order information

Artificial cow "Henryetta"

Model Holstein Friesian, 230 V	REF.: 22400/1040
Model Simmental, 230 V	REF.: 22400/1050
Model Holstein Friesian, 115 V	REF.: 22400/1041
Model Simmental, 115 V	REF.: 22400/1051

Spare parts

(1) Uterus	REF.: 22400/1167
(2) Vaginal tube	REF.: 22400/1168
Cervix	
(3) small opening for advanced training	REF.: 22400/1064
(4) wide opening for training start	REF.: 22400/1163
(5) Rectum bag	REF.: 22400/1061
(6) Cervix spoon , for easy insertion of cervix	REF.: 22400/1161

Consumables

(7) ReproJelly , 3 l („artificial poo“)	REF.: 11907/3000
Pump for lubricant ReproJelly	REF.: 11907/3100

One set of reproductive organs
included in scope of delivery!



Technical data

- Footprint: 1320 x 680 mm
- Height: 1400 mm
- Weight: 53 kg
- Power supply: 230 V/50 Hz or 115 V/60 Hz





Pregnancy and palpation model "Henryetta AI PLUS"

The new **pregnancy and palpation model "AI PLUS"** is a real evolution from our well-established Henryetta AI training cow! Students are now able to train the most important steps of manual pregnancy check and ovarian diagnostics.

A unique system of placing the uterus inside the cow body on an intestine cushion allows for a realistic feeling and palpation of the entire tract, including cervix, uterine horns and different variations of ovaries.

Students can check the most 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).

Parts are available for order now to upgrade your existing Henryetta to the new AI PLUS palpation model!

(1) Pregnancy tract,
pregnancy signs approx. day 42 [REF. : 22400/1171](#)

(2) Intestine cushion [REF. : 22400/1179](#)

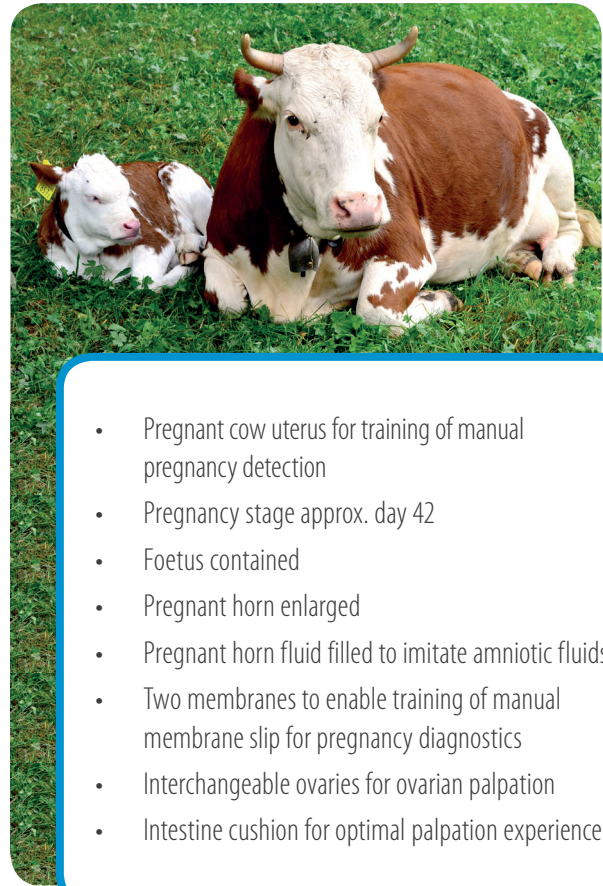
Ovary

(3) small follicles [REF. : 22400/1181](#)

(4) large follicle [REF. : 22400/1182](#)

(5) Corpus luteum [REF. : 22400/1185](#)

(6) cystic [REF. : 22400/1189](#)



- Pregnant cow uterus for training of manual pregnancy detection
- Pregnancy stage approx. day 42
- Foetus contained
- Pregnant horn enlarged
- Pregnant horn fluid filled to imitate amniotic fluids
- Two membranes to enable training of manual membrane slip for pregnancy diagnostics
- Interchangeable ovaries for ovarian palpation
- Intestine cushion for optimal palpation experience

