



EDUCATIONAL MEDICAL MODELS 2023-2024



REPRESENTANTE PARA ECUADOR



KOKEN EDUCATIONAL MEDICAL MODELS

The culmination of Koken original polymer technology assures remarkably lifelike feel and appearance. These models support the education of medical, nursing and emergency care professionals.

We will continue to support the clinical environment with a unique synthetic polymer technology that we have continued to develop for 60 years.

The speed of progress in the field of medicine continues to increase each day. In the field, increasing demands on the precision of medical procedures have made necessary even higher levels of technical training. To support the education of medical, nursing and emergency care professionals, Koken offers a complete line of educational medical models for educational and training use. Koken is proud of its long history in this field, having developed a great deal of original technology and manufacturing techniques which have contributed to high levels of quality. This can be seen not only in the shape and weight of the products, but also in their remarkable realism in the feel of the silicone rubber skin, the way the joints move and the resiliency and response to movement. This has earned them high praise worldwide.

Professionals in the field have remarked that Koken educational medical models have contributed to a distinct improvement in the quality of education. This is testament to the expertise and advanced technology that Koken has accumulated in this field over the years. Koken continues to make efforts to improve quality with the aim of improving the basic abilities of medical professionals and strengthening the system of clinical training while, from the viewpoint of contributing to the overall quality of life, raising the level of nursing training and increasing the survival rate in emergency care.

In each location where medical care takes place, it is Koken's hope that better educated professionals are better prepared to face the challenges of treatment. In particular, in recent years we have seen the development of automatic external defibrillators (AED) that can be used by an ordinary person, representing a greater public awareness of emergency resuscitation. This is certain to result in an expansion of the educational market for some of these products. Koken, with its proven technology and product track record, is a step ahead with a vision to meet new and more diverse needs as they arise.



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● Please handle this model with the same care that you would exercise when working with a human body. Excessive force may damage the model.

Koken Baby Series

Choose from a variety of dolls ranging from pronatis to nursing infant models according to age and purpose of use. By using a series of products, you can more easily imagine differences in size by actually feeling them.



0-3 months

0 month

24 weeks & 30 weeks

P.10

24 weeks &
30 weeks

KOKEN Pronatis Model

A Type: Approx. 30weeks Approx. 1600g
B Type: Approx. 24weeks Approx. 700g



P.7

KOKEN Baby

Boy and Girl/

KOKEN

"Western Features" Baby

0-3 months Approx. 3000g

3 months

P.9

Neonatal Vital Signs

Simulator II

0-3 months Approx. 2700g



0 months

P.67

Neonatal Resuscitation Model

0 month Approx. 2500g



4-5 months

P.12

4-Month-Old Baby,
Sho-Chan

4-5 months Approx. 4000g



6-9 months

P.11

Infant Model for Nursing Practice

6-9 months Approx. 8000g



6 months

1 year old



KOKEN Baby Boy

with
storage
bag



LM-026M

KOKEN Baby Girl

with
storage
bag



LM-026G

KOKEN “Western Features” Baby

with
storage
bag



LM-082

Replacement Eyes



Brown eyes

Green eyes

Features

- KOKEN baby is made of special silicone rubber with the appearance and texture of real skin. It gives the trainee the sense of handling a real baby and is perfectly suited for learning infant handling.
- A realistic structure has been reproduced that allows you to observe the new-born baby.
- The seamless skin is absolutely waterproof.
- The quality of the silicone skin will not deteriorate with repeated bathing.
- The model has an anterior fontanel, a posterior fontanel, sagittal sutures, and coronal sutures.
- The head is not fixed.
- Flexible ears.
- There is a space measuring 5 cm from the nasal cavity to the throat, and a space measuring 15 cm from the oral cavity to the stomach.
- The shape of the mouth has been altered to enable the baby to suck nipples.
- The model has a clavicle and sternum, making it possible to check for clavicle fractures.
- The backbone can be located.
- The arms and legs can be freely fixed and extended.
- The umbilical cord is detachable.
- The anal canal is 3 cm deep.
- The scrotum includes testicles. Only for KOKEN Baby Boy/ KOKEN "Western Features" Baby.
- KOKEN Baby Girl is provided with breastfeeding and urination functions.
- KOKEN "Western Features" Baby comes packaged with two sets of replacement eyes (one pair of brown eyes and one pair of green eyes).

Practical Training



Bathing



Nose suction



Umbilical cord care



Insertion of a rectal thermometer



Diapering techniques



Sanitary care

■ Specifications

Height	Approx. 48 cm
Head circumference	Approx. 34 cm
Weight	Approx. 3.0 kg

■ Components

Main body	1
Umbilical cord	1
Storage bag	1
Replacement Eyes*	1 pair of brown, 1 pair of green

*Only for KOKEN "Western Features" Baby.

■ Spares

Umbilical cord	LM-026A
Storage bag	LM-026B

Neonatal Vital Signs Simulator II



LM-098

■ Specifications

Neonatal model

Height	Approx. 48 cm
Head circumference	Approx. 34 cm
Weight	Approx. 2.7 kg

Control box

Dimensions	Approx. 16(L) x 22(W) x 11(H) cm
Weight	Approx. 1.0 kg
Power supply	100V - 240V AC

■ Components

Neonatal Simulator	1
Control box	1
AC adaptor	1
AC cord	1
Storage bag	1

*This product is not available in countries requiring CE mark.

With this simulator, infant vital signs can be measured and the entire body can be monitored. A crying-sound function reproduces the clinical setting more realistically, while heart and breathing sounds can be checked, creating hands-on training of measurement and monitoring close to those of the actual clinical environment.

Features

- Silicone rubber is used to produce an extremely realistic texture.
- The sound of crying can be heard coming from the mouth.
- The heart rate and respiratory rate are displayed digitally over a normal range, and the infant status can easily be set by turning a rotary dial.
- An external speaker provided on the control box make these sounds audible to persons in the nearby environment.
- The sounds can be set independently, so the balance can be adjusted to match the status settings.
- Highly realistic sounds are produced with clear sound quality.
- Four different crying patterns can be reproduced.

Practical Training

- Full-body monitoring
Location of the anterior fontanel, posterior fontanel, sagittal sutures and coronal sutures.
- Insertion of a thermometer into the rectum
- Auscultation
Heart sounds (100 to 180 beats/minute)
Breath sounds (30 to 80 breaths/minute)
- Visual inspection
Thoracoabdominal breathing (thoracoabdominal movement)

KOKEN Pronatis Model A Type



LM-062A

■ Specifications

A Type

Age	Approx. 30 weeks
Height	Approx. 36 cm
Head circumference	Approx. 30 cm
Weight	Approx. 1.6 kg
Sex	Male

■ Components

Main body	1
Baby powder	1

Appearance and touch are extremely realistic because of the use of a special silicone material. This model can be used in an incubator and enable to experience images of pronatis.

Feature and Practical Training

- Seamless skin
- Overall observation and measurement
- Palpation of anterior fontanel
- Wiping and bathing in the incubator
- Suction
- Tubule nutrition
- Monitor setup



KOKEN Pronatis Model B Type



LM-062B

■ Specifications

B Type

Age	Approx. 24 weeks
Height	Approx. 32 cm
Head circumference	Approx. 24 cm
Weight	Approx. 0.7 kg
Sex	Male

■ Components

Main body	1
Baby powder	1

Appearance and touch are extremely realistic because of the use of a special silicone material. This model can be used in an incubator and enable to experience images of pronatis.

Practical Training

- The head can be rotated and positioned for the baby to lie on its side.
- Overall observation and measurement
- Palpation of anterior fontanel
- Cleanse
- Suction
- Tubule nutrition
- Monitor setup

Infant Model for Nursing Practice



LM-052

■ Specifications

Height	Approx. 66 cm
Head circumference	Approx. 44 cm
Weight	Approx. 8.0 kg
Material	Silicone rubber

■ Components

Main body	1
Baby underwear	1

This is a model of an average infant female model of approximately 6 - 9 months (Approx. 8.0 kg), to be used for various kinds of practice in infant nursing.

Features

- The skin is made of a unique silicone rubber that closely resembles that of real skin.
- This skin creates a seamless structure over the whole body, and is waterproof.

Practical Training

- Holding
- Changing clothes and diapers
- Exercise of baby, shifting sleeping position
- Feeding baby food
- Breastfeeding, patting the back to burp a baby
- Bathing and washing hair
- Measuring (height, weight, circumference of the head, size and position of the fonticulus anterior, etc.)

- Overall observation of the body (appearance, confirmation of position): Visual observation (intra-oral examination), auscultation, tapping examination and palpation
- Rectal temperature (apparent), Measuring blood pressure (supporting the arms in front and medical examination)
- Insertion of feeding catheter
- Suction of the nasal and oral cavities
- Securing the body position for blood collection, spinal or lumbar puncture



Giving the baby exercise



Breastfeeding (Actual feeding cannot be practiced)



Washing the baby's bottoms



Washing the baby's hair



Securing the baby's position for blood collection or spinal or lumbar puncture

4-Month-Old Baby, Sho-Chan



LM-075

■ Specifications

Height	Approx. 58 cm
Head circumference	Approx. 40 cm
Weight	Approx. 4.0 kg

*The model is not suitable for measuring, etc.

*It cannot be bathed, either.

This model is optimally suited to creating the impression of an infant about 4 or 5 months old.

Features

- Although the doll weighs approximately 4.0 kg, it is designed to allow the user to perceive it as weighing 6 kg, the average weight of a 4-month-old baby. It feels soft to the touch, and is highly cuddly.
- The model can be made to sit in a chair, helping expand the range of practice activities such as assisting in feeding baby food, making it sit in a baby stroller, etc.
- The model is able to hold up its head. However, it is designed such that the center of gravity is at the head, just like a real 4-month-old baby.
- The price is kept low, thanks to the use of new materials.

KOKEN Breastfeeding Simulation Set



LM-113A

■ Specifications

KOKEN Postpartum Breast Care Model

Weight	Approx. 1.6 kg
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Latch on mask for KOKEN Baby

Size	Approx. 15(L) x 13(W) x 12(H) cm
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Weight	Approx. 96 g
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■ Components

KOKEN Postpartum Breast Care Model

Harness	1
Air pump	1
Baby powder	1
Protective board	1
Breast bag (right and left)	1

Latch on mask for KOKEN Baby

Latch on mask for KOKEN Baby	1
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■ Spares

a. Storage bag

LM-026B

b. Breast bag for LM-113

LM-113C



The optimal set for experiencing breastfeeding support

Features

- Users can feel adequate close fit when wearing this model and can take a natural breastfeeding position.
- Engorgement of the breasts can be simulated by inflating the breast bags.
- By attaching the Latch on mask for KOKEN Baby to their LM026G, LM026M and LM082, users can simulate a baby's appropriate latch.

Practical Training

- By using both KOKEN Breastfeeding Simulation Set and KOKEN Baby together, users can practice a "hands-off" approach to the support of breastfeeding.
- Users can observe and practice caring for the nipples and breasts.
- Simulation of engorgement of the breast enables users to observe the engorged state and practice methods for alleviating engorgement.
- Users can learn through experience that a correct latch cannot be achieved when the breast is engorged.



Cross-cradle hold



Massage of the base of the breasts



RPS (Reverse Pressure Softening; two-handed one-step method)



RPS (Reverse Pressure Softening; two thumb two-step method)

KOKEN Postpartum Breast Care Model

LM-113

Features

- The appearance and texture of human skin were simulated through the use of special silicone rubber as a material.
- Users can feel adequate close fit when wearing the model and can take a natural breastfeeding position.
- Engorgement of the breasts can be simulated by inflating the breast bags.



Latch on mask for KOKEN Baby

LM-113B

Features

- The appearance and texture of human skin were simulated through the use of special silicone rubber as a material.
- By attaching it to their LM026G, LM026M and LM082, users can simulate a baby's appropriate latch.



*KOKEN Baby is not included.

Breast Massage Model Type II

with
storage
case



LM-024

■ Specifications

Main body

Size	Approx. 29(L) × 42(W) × 13(H) cm
Weight	Approx. 2.0 kg

Storage case

Size	Approx. 36(L) × 48(W) × 18(H) cm
Weight	Approx. 3.4 kg

■ Components

Main body	1
Baby powder	1
Storage case	1

The model is made of a soft and flexible silicone material, which simulates tight breasts and the movement of the base of the breasts to be clearly felt.

Features

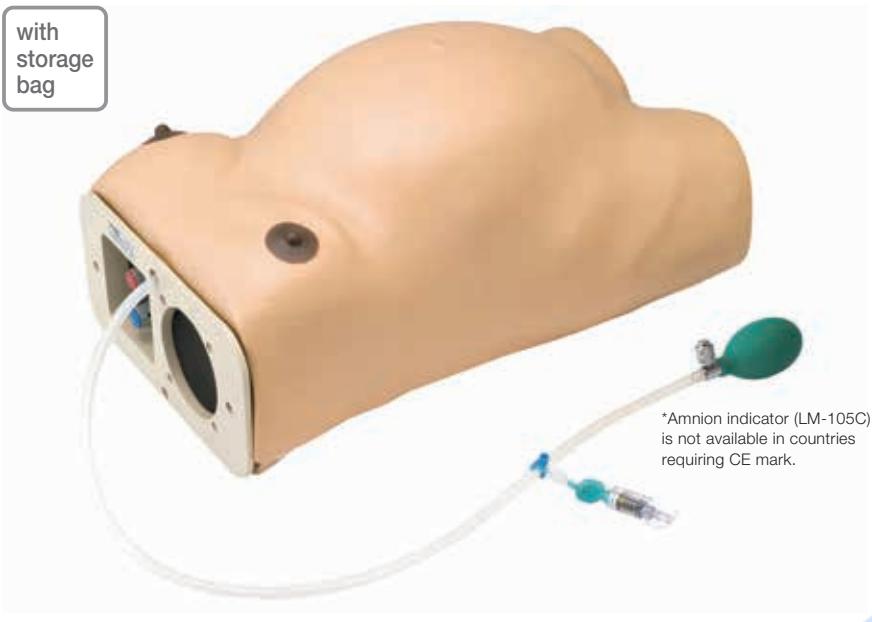
- The skin is extremely soft and flexible as it is made from a special silicone material.
- The model represents the tight breast of a puerperal woman and includes the movement of the base of the breasts.

Practical Training

- The massaging of the base of the breasts, papilla mammae and areola mamma
- The treatment of lactation
- Loosening of the contact space between the fascia of the pectoral muscle and the base of the breasts can be palpated by the fingers.



Maternity Model Type II



Life-sized model for practicing and teaching the four Leopold's Maneuvers and fetal heartbeat monitoring

Features

- The trunk skin and fetus material are made of a special silicone rubber with an appearance and texture that closely simulates human skin, for realistic practice.
- The model contains a pelvis.
- The amnion can be filled with air to make handling and control easier.
- The air pressure level of the air in the amnion can be checked with an indicator and adjusted to change the palpation sensation (for LM-043N).
- Traube stethoscope monitoring of the fetal heartbeat can be practiced. The heartbeat sound can also be emitted from a speaker on the side of the panel.
- An internal synthesizer enables auscultation of a realistic fetal heartbeat sound. The volume and speed are freely adjustable.

Practical Training

- Four Leopold's Maneuver
- Auscultation of a fetal heartbeat sound
- Traube stethoscope monitoring of the fetal heartbeat
- Palpation to check the pubic symphysis and the ilium during uterine fundal height measurement and external pelvimetry



Four Leopold's Maneuver



Fetus and internal structure

LM-043N/LM-043N-CE

■ Specifications

Size	Approx. 52(L) x 35(W) x 23(H) cm
Weight	Approx. 11.0 kg

■ Components

Body	1
Skin	1
Abdominal wall piece	1
Fetus in amnion	1
Amnion indicator*	1
Rubber bladder	1
Birth canal pads	1 small, 1 large
Baby powder	1
AC adapter*	1
Abdominal wall protective sheet	1
Storage bag	1

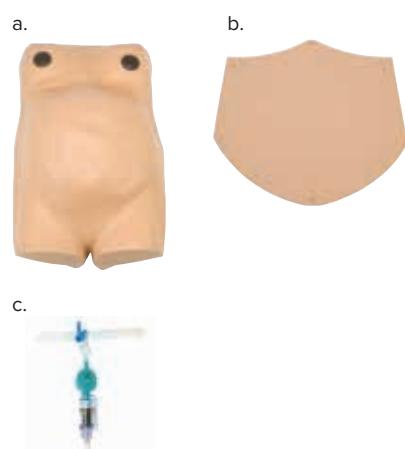
*The amnion indicator and AC adapter are not included in LM-043N-CE.

The product includes a two-way stopcock instead of the amnion indicator.

■ Spares

a. Skin	LM-105A
b. Abdominal wall piece	LM-105B
c. Amnion indicator	LM-105C
AC adaptor	LM-105D
Abdominal wall protective sheet (5pcs)	LM-105E
Fetus model with amnion	LM-0642
Rubber Bladder	LM-043C

*LM-105C and LM-105D are not available in countries requiring CE mark.



Obstetric Assistant Model Set type II, Hiroko



LM-114

■ Specifications

Main body

Size	Approx. 116(L) x 50(W) x 28(H) cm
Weight	Approx. 6.0 kg

Obstetric model - vulva II (primipara type)

Size	Approx. 17(L) x 17(W) x 8(H) cm
Weight	Approx. 0.6 kg

Fetal model

Height	Approx. 40 cm
Head circumference	Approx. 32 cm
Weight	Approx. 2.2 kg

Placenta model

Diameter	Approx. 19 cm
Height	Approx. 10 cm
Weight	Approx. 0.6 kg

Replacement Umbilical cord for Placenta model

Diameter	Approx. 1.4 cm
Umbilical cord length	Approx. 65 cm
Weight	Approx. 80 g

Free-style base for fixing in place the main body

Size	Approx. 31(L) x 44(W) x 39(H) cm
Weight	Approx. 800 g

■ Components

Main body	1
Obstetric model - vulva II (primipara type)	1
Fetal model	1
Placenta model	1
Replacement Umbilical cord for Placenta model	1
Binding band	2
Glycerin	1
Free-style base for fixing in place the main body	1
Cloth cover for main body	1

Features

- This set supports practice for obstetric assistance for normal delivery, including free-style delivery (the side-lying and hands-and-knees positions).
- The presence of legs makes it possible to practice by reproducing a near-clinical setting. The feet can be detached.
- The fetal model can reproduce the third rotation. This also makes it possible to practice assistance techniques during vacuum extraction and forceps delivery.
- The placenta model's umbilical cord can be manipulated with Kocher forceps and an umbilical clip. It is also possible to reproduce the nuchal cord.
- The vulva of the previous models (Vaginal Examination Model-Vulva II LM-101F, Obstetric Model-Vulva II Primipara Type/Multipara Type LM-101P/LM-101M and Perineal Suture Model - Vulva LM-0635) can be used with this set.

Practical Training



Perineal protection



Delivery assistance



Cutting the umbilical cord



Delivering the placenta

Free-style delivery

- The model can reproduce not only the supine position but also hands-and-knees and side-lying positions. Obstetric assistance can be practiced in each body position by rotating the fetal model according to its position.



Supine position



Hands-and-knees position



Side-lying position

Spares



Main body

LM-114C



Obstetric model - vulva II
(primipara type)

LM-101P



Obstetric model - vulva II
(multipara type)

LM-101M

Multipara type is softer
and more stretchable than
Primipara type.

Obstetric model - vulva II set
(primipara and multipara type)

LM-101S



Fetal model

LM-114A



Placenta model

LM-114B

*A single piece of Replacement Umbilical cord for the Placenta model (LM-114D) is included in the set.



Replacement Umbilical cord for
Placenta model

LM-114D



Free-style base for fixing in place
the main body

LM-114E

Options

■ For Vaginal Examination:



Vaginal examination model - vulva II

LM-101F

■ For Perineal Suture:



Perineal suture model - vulva
(with left and right laceration model)

LM-0635



Perineal Suture Model
(Left Laceration 5pcs Right Laceration 5pcs)

LM-0636

■ For Obstetric Assistant:



Umbilical Cord Kit (Components: one each of
Umbilical cord and Umbilical cord connector)

LM-101D

*This optional part requires the Replacement Umbilical cord for the Placenta model (LM-114D) for use.



Umbilical cord for replacement (10pcs)

LM-101E

*This optional part requires the Replacement Umbilical cord for the Placenta model (LM-114D) and the Umbilical cord connector** for use.

**A component of the Umbilical Cord Kit (LM-101D)

Full-Body Pregnancy Simulator II

IMPROVED



The Full-Body Pregnancy Simulator II offers comprehensive training capabilities related to pregnancy, childbirth, and postpartum care, all in one model. The included fetal and placenta models have been improved to provide a wider range of outcomes during labor, enhancing the realism of the training experience.

LM-114H/LM-114H-CE

■ Specifications

Main Body (Full-body manikin)

Size	Approx. 177(L) × 44(W) × 25(H) cm
Weight	Approx. 17.0 kg

■ Components

Main body

Full body manikin (with an abdominal cover)	1
Obstetric abdominal palpation parts	
Skin II for obstetric abdominal palpation model	1
Abdominal wall piece	1
Fetus model with amnion	1
Amnion indicator*	1
Seitz method standard adjustment base	1
Seitz method plus adjustment base	1
AC adapter*	1
Extension cord for fetal heartbeats cord	1
Baby powder	1
Abdominal wall protective sheet	1
Base	1
Parts storage bag	3

Vaginal examination parts

Vaginal examination model - vulva II	1
Uterus dilation model set (4 types)	1
Uterus dilation model base	1
Glycerin	1
Storage case	1

Obstetric assistant parts

Obstetric model - vulva II (primipara type)	1
Fetal model	1
Placenta model	1
Umbilical cord kit (3 umbilical cords and 1 umbilical cord connector)	1
Glycerin	1

Perineal suture parts

Perineal suture model - vulva	1
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Puerperal uterus palpation parts

Skin for puerperal uterus palpation model	1
Uterine involution model fixation base	1
Uterine involution model (4 types)	1
Baby powder	1
Parts storage bag	1

*The amnion indicator and AC adapter are not included in LM-114H-CE.

The product includes a two-way stopcock instead of the amnion indicator.

Spares / Options

■ Main unit



Full-body manikin

LM-101HVA

■ Obstetric abdominal palpation parts



Skin II for obstetric abdominal palpation model

LM-101HVB



Abdominal wall piece

LM-101HVC



Fetus model with amnion

LM-0642



Seitz method standard adjustment base

LM-0643A



Seitz method plus adjustment base

LM-0643B



Extension cord for heartbeat generator

LM-0646



Amnion indicator*

LM-105C

*This spare part is not available in countries requiring CE mark.

■ Vaginal examination parts



Vaginal examination model - vulva II

LM-101F



Uterus dilation model set (4 types)

LM-101G

■ Obstetric assistant parts



Obstetric model-vulva II (Primipara type)

LM-101P

[Option] Obstetric model - vulva II (Multipara type)

LM-101M

*Softer and more elastic than the Primipara type.

[Option] Obstetric model - vulva II set (Primipara and multipara type)

LM-101S



Fetal model

LM-114A



Placenta model

LM-114B

*A single piece of Replacement Umbilical cord for the Placenta model (LM-114D) is included in the set.



[Option] Replacement Umbilical cord for Placenta model

LM-114D



[Option] Umbilical Cord Kit (Components: one each of Umbilical cord and Umbilical cord connector)

LM-101D

*This optional part requires the Replacement Umbilical cord for the Placenta model (LM-114D) for use.



[Option] Umbilical cord for replacement (10pcs)

LM-101E

*This optional part requires the Replacement Umbilical cord for the Placenta model (LM-114D) and the Umbilical cord connector** for use.

**A component of the Umbilical Cord Kit (LM-101D)

■ Perineal suture parts



Perineal suture model - vulva (with left and right laceration model)

LM-0635

Perineal suture model (Left laceration 5 pcs Right laceration 5 pcs)

LM-0636

■ Puerperal uterus palpation parts



Skin for puerperal uterus palpation model

LM-0644A



Uterine involution model fixation base

LM-0644B



Uterine involution model (4 types)

LM-0645

Obstetric Abdominal Palpation

- Representing 36th to 40th weeks of pregnancy
- The four types of Leopold's maneuvers for visual diagnosis, palpation, and abdominal measurements (abdominal girth and uterine fundus)
- Diagnosis in various fetal positions and orientations, and examination of the stability and mobility of the fetal presenting part
- Monitoring the fetal heartbeat between 80 and 180 bpm
- Breast care

Required parts of the training:

- Skin II for obstetric abdominal palpation model LM-101HVB
- Abdominal wall piece LM-101HVC
- Fetus model with amnion LM-0642
- Seitz method standard adjustment base LM-0643A
- Seitz method plus adjustment base LM-0643B
- AC adaptor* LM-105D

*AC adapter is not included in the LM-114H-CE.



Four types of Leopold's Maneuvers

Set one of the adjustment bases according to your training:



Seitz method standard adjustment base LM-0643A



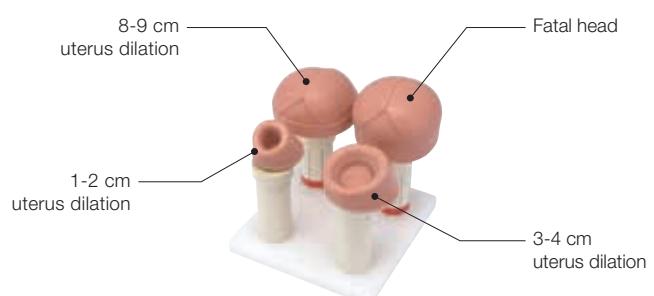
Seitz method plus adjustment base LM-0643B

Vaginal Examination

- The ischial spine and pubic symphysis can be located.
- Bishop score assessment from the late stage of pregnancy to the onset of labor (cervical dilation, effacement, consistency, and position)
- Diagnosis of the fetal station
- Diagnosis of the fetal head rotation by varying positions of the sagittal sutures and posterior fontanelle
- Insertion of a urinary catheter

Required parts of the training:

- Vaginal examination model - vulva II LM-101F
- Uterus dilation model set (4 types) LM-101G



Uterus dilation model set (4 types) LM-101G

Obstetric Assistance

- Delivery assistant training in various positions, such as supine, hands-and-knees, and lying on the side, by rotating the fetal model according to the position of the simulator.



Supine position

Free-style delivery



Hands-and-knees position



Side-lying position

Obstetric Assistance

- Entire sequence of steps from delivering the fetus to tying the umbilical cord, cutting the umbilical cord, and delivering the placenta
- Protection of the perineum
- Breech extraction for an emergency response
- Manipulation with Kocher forceps and an umbilical clip as well as reproduction of the nuchal cord
- Vacuum delivery by soft suction cups and forceps delivery



Fetus head extraction



Breech extraction

Required parts of the training:

- Obstetric model-vulva II (Primipara type) LM-101P
- Fetal model LM-114A
- Placenta model LM-114B
- Replacement Umbilical cord for Placenta model LM-114D



Protection of the perineum



Obstetric assistance



Clamping and cutting of the umbilical cord

Suture of Soft Birth Canal Laceration

- Assessment of the perineal laceration position and the level of laceration
- Suture of the right and left lacerations

Required parts of the training:

- Perineal suture model - vulva LM-0635



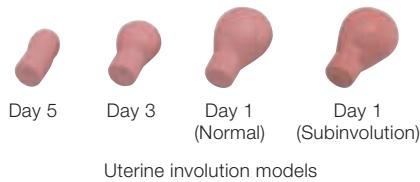
Interchangeable right and left lacerations

Puerperal Uterus Palpation

- Palpation of the abdomen to examine the status of the postpartum uterus
- Identification of normal and abnormal (subinvolution) postpartum uterine conditions
- Measurement of the uterine fundus

Required parts of the training:

- Skin for puerperal uterus palpation model LM-0644A
- Uterine involution model fixation base LM-0644B
- Uterine involution model (4 types) LM-0645



Uterine involution models



Palpation of the postpartum uterus



Measurement of the uterine fundus

Breast Care

- Breast and nipple palpation, inspection of breast mobility, and nipple massage
- Palpation of the mammary glands



Palpation of the basal ablation



Expressing breast milk

Puerperal Uterus Palpation Training Model (Wearable type) NEW



A wearable model that can be used to examine postpartum uterine involution

Features

- The abdominal wall is created from a special material to closely resemble the texture of a human body.
- Four uterine involution models representing the postpartum uterus from day 1 to day 5 are included for practicing palpation of the uterus and uterine fundus.
- The model can be worn by a trainee or placed on a mannequin to facilitate the development of communication skills during examination training.
- The wearable model allows trainees to learn how to provide courteous care while gaining experience in empathizing with postpartum women.

Practical Training

- Palpation of the postpartum uterus and uterine fundus
- Identification of normal and abnormal (subinvolution) postpartum uterine conditions

LM-116

■ Specifications

Main body

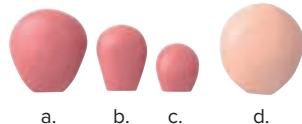
Compatible size	Waist 54 cm to 116 cm (140 cm with the extension pad)
Hip	54 cm to 116 cm (140 cm with the extension pad)
Weight	Approx. 3.7 kg

Storage bag

Size	Approx. 31(L) x 46(W) x 22(H) cm
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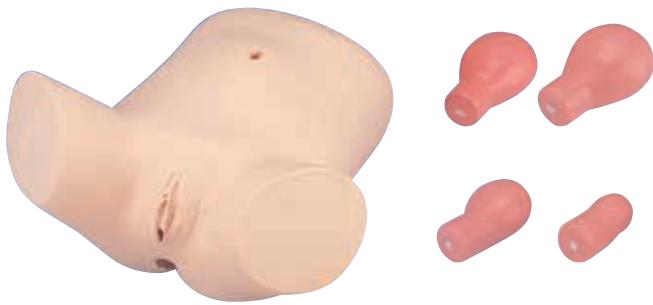
■ Components

Wearable band	1
Outer skin	1
Abdominal wall	1
a. Uterine involution (normal, day 1)	1
b. Uterine involution (normal, day 3)	1
c. Uterine involution (normal, day 5)	1
d. Subinvolution	1
Pubis connector	1
Extension pad	1
Storage bag	1



Puerperal Uterus Palpation Training Model

with
storage
cover



This model is ideal for palpation training. Special materials are used for the abdominal surface to make the identification of fundus uteri very realistic.

Practical Training

- The examination of puerperal uterus and the identification of normal or abnormal conditions. (Normal or abnormal on the first day)
- Measurement and palpation of puerperal fundus uteri. (Change throughout a week: first, third and fifth day)
- Cleaning and care of vulva
- The examination of the large pudendal lips and proctoptosis can be practiced.
- Instruction in massage
- Change of underwear, sheet, belt and gauze

LM-055

■ Specifications

Main body

Size	Approx. 44(L) x 48(W) x 27(H) cm
Weight	Approx. 4.4 kg

■ Components

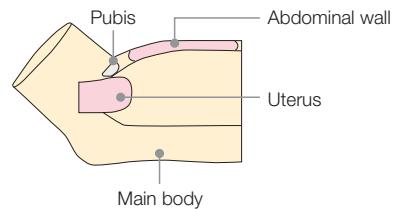
Main body	1
Uterine Involution (Subinvolution)	1
Uterine Involution (Normal, Day 1)	1
Uterine Involution (Normal, Day 3)	1
Uterine Involution (Normal, Day 5)	1
Storage cover	1
Sponge for prevention of deformation	1
Storage bag for uterus models	1
Baby powder	1

■ Spares

Main body

LM-055A
Uterine Involution (Subinvolution)
LM-055B
Uterine Involution (Normal, Day 1)
LM-055C
Uterine Involution (Normal, Day 3)
LM-055D
Uterine Involution (Normal, Day 5)
LM-055E

Name of Each Part



Cervical cancer screening parts

*Made to order



LM-101K

■ Specifications

Size	Approx. 9(L) x 9(W) x 13(H) cm
Weight	Approx. 123 g

This optional part is for use with vaginal examination models used for practicing cervical cancer screening.

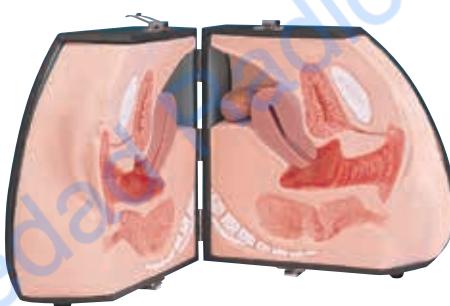
Features

- Optional part with an unexpanded uterine opening that can be attached to "Vaginal Examination Model-Vulva II LM-101F" or "Vaginal Examination Model-Vulva LM-0631."
- Can be attached to vaginal examination models for use in practicing cell collection procedures and processes when conducting cervical cancer screening.
- The uterine cervix can be inverted 180° vertically to alter the angle of the uterine opening.

Female Organ Model Type I

*Made to order

with storage bag



LM-030

■ Specifications

Main body

Size	Approx. 22(L) x 14(W) x 23(H) cm
Weight	Approx. 1.4 kg

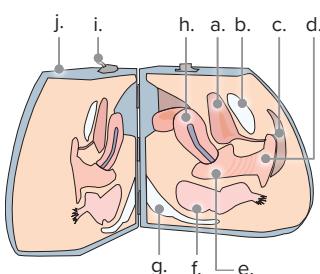
Storage case

Size	Approx. 23(L) x 16(W) x 25(H) cm
Weight	Approx. 0.3 kg

■ Components

Main body	1
Outer case	1
Storage bag	1

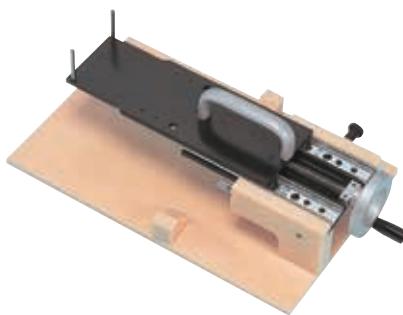
Name of each part



a. Bladder	f. Rectum
b. Pubis	g. Coccyx
c. Labium majus	h. Uterus
d. Labium minus	i. Stopper
e. Vagina	j. Outer case

Fetal Head Extractor for Obstetric Model

*Made to order



LM-066

■ Specifications

Size	Approx. 48(L) × 26(W) × 16(H) cm
Weight	Approx. 2.8 kg
Material	Hard plastic (ABS)



*Main body (LM-0637) is sold separately

Features

- At the stage of extraction, a stable appearing and crowning of the fetal head can be reproduced.
- Extraction speed of fetal head can be adjustable, and the fetal head can be extracted without excessive power.

ECV (External Cephalic Version) Model

*Made to order



Representing 36th weeks of Japanese pregnant women. By pouring glycerin as simulation amniotic fluid into the amniotic sac, ECV technique can be practiced with the rotation of fetus.

Features

- The shape of amniotic sac comply to the pelvic makes realistic training possible.
- The head, hands and legs of fetus is harder than other part, and the backbone is structured at the back, so the fetus conditions can be palpated on the skin.
- This life-sized model can be used for external pelvic measurement and breast care.
- The volume of amniotic fluid can be adjusted.

Practical Training

- ECV (rotation of fetus)
- External pelvic measurement
- Breast care

LM-080

■ Specifications

Main body

Size	Approx. 36(L) × 52(W) × 27(H) cm
Weight	Approx. 4.8 kg

Amniotic sac

Size	Approx. 26.5(L) × 35(W) × 17.5(H) cm
Weight	Approx. 3.6 kg

■ Components

Main body	1
Amniotic sac with fetus	1
Abdominal skin	1
Polyethylene tank	1
Coupler for drying inside of amniotic sac	1

■ Spares

Amniotic sac with fetus

LM-080A

Abdominal skin

LM-080B

Polyethylene tank

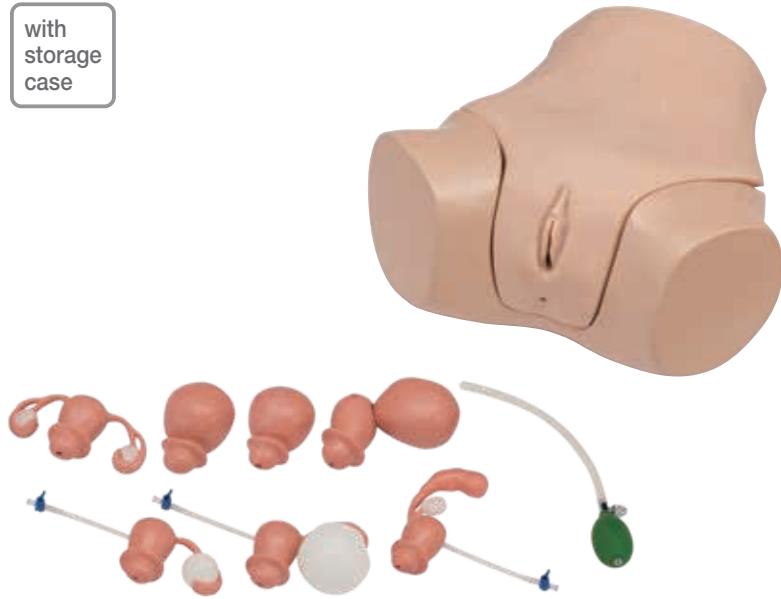
LM-080C

Coupler for drying inside of amniotic sac

LM-080D

Gynecological Examination Simulator

with
storage
case



LM-110

■ Specifications

Gynecological Examination Simulator
Main body

Size	Approx. 39(L) x 41(W) x 19(H) cm
Weight	Approx. 4.7 kg

Storage Case

Size	Approx. 47(L) x 54(W) x 26(H) cm
Weight	Approx. 5.0 kg

■ Components

Main body	1
Genital unit	1
Fixing screw	2
Normal uterus	1
Early pregnancy uterus	1
Hysteromyoma 1 (in tunica muscularis)	1
Hysteromyoma 2 (under endometrium)	1
Ovarian cyst 1 (ping-pong ball size)	1
Ovarian cyst 2 (tennis ball size)	1
Hydrosalpinx	1
Air pump	1
Storage case	1
Abdominal wall protective sheet	1
Baby powder	1

■ Spares

Genital unit

LM-110A



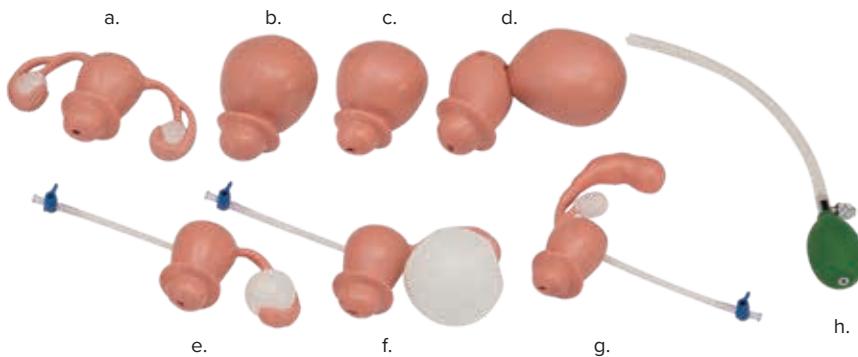
This model enables practical training in basic gynecological examinations.

This is a model best suited for educational purposes for doctors-in-training and medical students not only in gynecology but in general medical practice as well.

Features

- Soft, special material used for the external genital piece and abdominal piece allow the product to provide realistic simulation of bimanual examination (internal and external examination) and rectal examination.
- All uteri are movable which enables the product to recreate realistic examination of conditions such as cervical motion tenderness.
- Internal reproductive organs such as the uterus and ovaries have normal and abnormal states, and the examination of their respective disease states (intramuscular hysteromyoma, subserous myoma, ovarian cyst, hydrosalpinx, etc.) can be practiced by changing the uterus. The uterus can be changed easily.
- Size of the ovarian cysts and hydrosalpinx can be adjusted by pumping in air to achieve the size and texture that closely resembles a living body.
- The product can be used for the practical training of vaginoscopy, probing, and cytology such as collection of intimal smears.
- The genital unit can be detached easily for simple care and replacement.

Interchangeable uterus



- a. Normal uterus
- b. Early pregnancy uterus
- c. Hysteromyoma 1 (in tunica muscularis)
- d. Hysteromyoma 2 (under endometrium)
- e. Ovarian cyst 1 (ping-pong ball size)
- f. Ovarian cyst 2 (tennis ball size)
- g. Hydrosalpinx
- h. Air pump

Practical Training

Diagnosis of normal and assorted disease states.



Vaginal Examination



Bimanual Examination



Rectal Examination



Vaginoscopy



Probing

Vaginoscopy	Use of a speculum
Internal examination (bimanual examination)	Diagnosis of both normal and assorted disease states
Rectal examination	Similar to internal examination
Probing	Use of probe during vaginoscopy
Collection of intimal smears	Use of collection instruments

Inspection and Palpation of Breast Cancer Training Model (Precision Type)

with
storage
case



LM-018

■ Specifications

Main body

Size	Approx. 18(L) x 35(W) x 43(H) cm
Weight	Approx. 3.7 kg

Storage Case

Size	Approx. 22(L) x 42(W) x 47(H) cm
Weight	Approx. 3.5 kg

■ Components

Inspection and Palpation of Breast Cancer Training Model main body	1
Baby powder	1
Storage Case	1

■ Spares

Storage case

LM-018A

This model realistically simulates various symptoms caused by breast cancer. These include, lumps and dimpling, but also enlarged axillary lymph nodes, nipple depression, and skin changes.

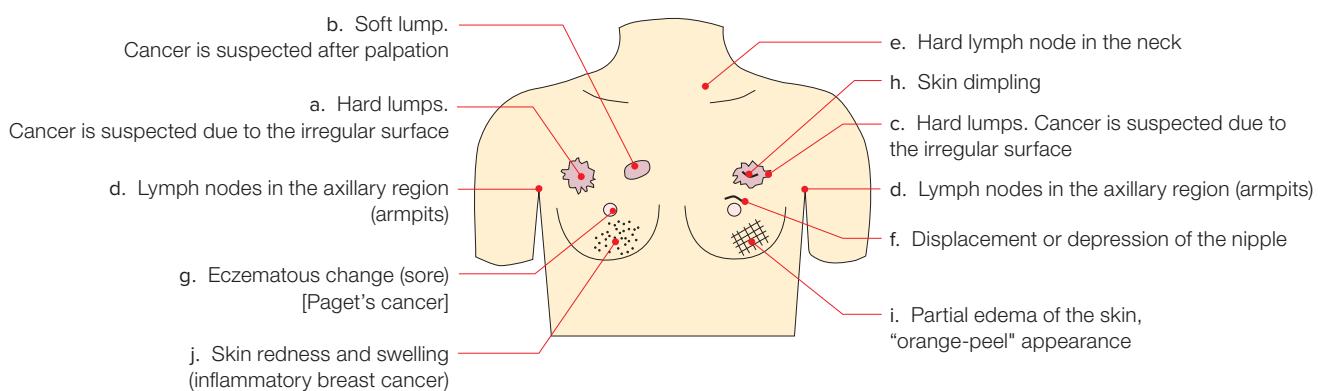
Features

The size and texture of the model is made to be as realistic as possible. Pathological symptoms such as lumps and skin changes may be slightly exaggerated in the model, but the conditions and feel of the lesions are created with the utmost accuracy. This model offers an ideal educational tool for medical students, nursing students and health nurses.

The model can be effectively used as a teaching tool for self-examination of breast cancer through mass screening and for training in detection of breast cancer (intermittent breast cancer) outside the doctor's office.

Symptoms of Breast Cancer

- Lumps/a to c
- Lymph node metastasis/d, e
- Nipple changes/f, g
- Skin changes/h to j



Inspection and Palpation of Breast Cancer Training Model II

with
storage
case



LM-017

■ Specifications

Main body

Size	Approx. 22(L) x 30(W) x 11(H) cm
Weight	Approx. 1.2 kg

Storage Case

Size	Approx. 27(L) x 34(W) x 13(H) cm
Weight	Approx. 1.2 kg

■ Components

Inspection and Palpation of Breast Cancer Training Model II main body	1
Baby powder	1
Storage case	1

This is a wearable model that enables users to practice self-examination for breast cancer.

Features

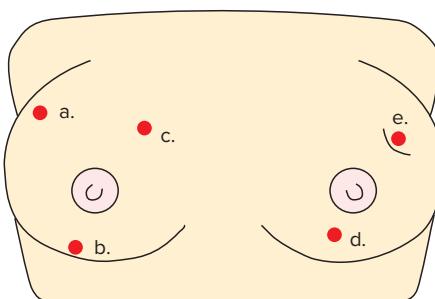
The size and texture of the model is made to be as realistic as possible. Pathological symptoms such as lumps and skin changes (dimples) may be slightly exaggerated in the model, but the locations and feel of the lesions are provided with the utmost accuracy.

This not only offers an ideal educational model for health nurses and nursing students, but also provides an effective teaching and training tool for self-examination of breast cancer by the general public.



Symptoms of Breast Cancer

- Lumps/a to e
80-90% of breast cancers start as a painless lump
- Skin changes (dimple/e)
If the cancer approaches the skin, the skin may become depressed to form a dimple.



Maternity Simulation Jacket / Maternity Simulation Jacket II



Maternity Simulation Jacket (LM-054)



Maternity Simulation Jacket II (LM-065)

■ Maternity Simulation Jacket

LM-054

■ Maternity Simulation Jacket II

LM-065

■ Spares

Gel Bag for LM054

LM-054A

Corset

LM-054B

■ Options

Storage bag

LM-06012

■ Storage Instructions

Store in the bag with the abdominal side on top. If this side is on the bottom, the abdomen may become deformed due to the lead weights.

Features

- Quilted material is used for the jacket to allow close contact with the body.
- Adjustable straps allow the jacket to be worn by people of a variety of different sizes.
- A high safety standard is assured thanks to a urethane gel filling and weight adjustment bags containing iron particles.
- The weights can be adjusted and fixed with hook-and-loop fasteners to enable simulation from second to third trimester pregnancy.
- Abdominal fetus parts and amniotic fluids are made from urethane gel and give a sensation very close to that of a real human body. (Only for LM-054)

Q&A

Q. What is the difference between the maternity simulation jacket and the maternity simulation jacket II.

A. The material for the abdominal fetus parts and the fabric material for the LM-065 (type II) were reviewed, and the special storage bag was omitted to reduce the cost.

Q. How many months of pregnancy experience can users try?

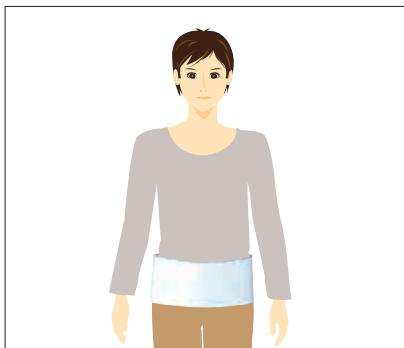
A. We expect that users can experience the life and activities of an 8- or 9-month pregnant woman, but this estimate may differ from actual cases due to individual differences.



Weight and safe postures can be experienced during daily living activities.

*Maternity clothing is not attached.

How to wear



① Wear the corset without fail to prevent lumbago.



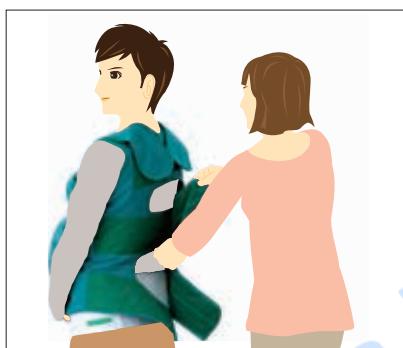
② Set the abdomen of the maternity simulation jacket to the abdomen of the wearer.



③ Adjust the abdominal position by using the shoulder belts.



④ Fix temporarily. Always start from the shoulders and proceed to the chest, abdomen and hip belts.

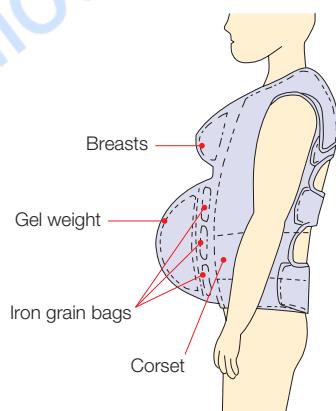
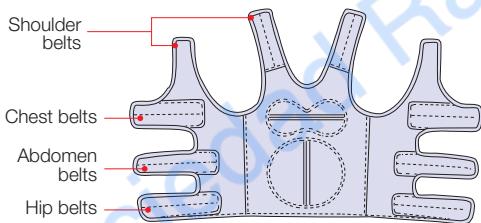


⑤⑥ Tighten the belts of the maternity simulation jacket so that the jacket fits snugly to the body.
(If the jacket does not fit snugly, it can cause lumbago and it will be difficult to accurately experience the feeling of pregnancy.)



Name of each part

Maternity Simulation Jacket



■ Specifications

Maternity Simulation Jacket (LM-054)

Material

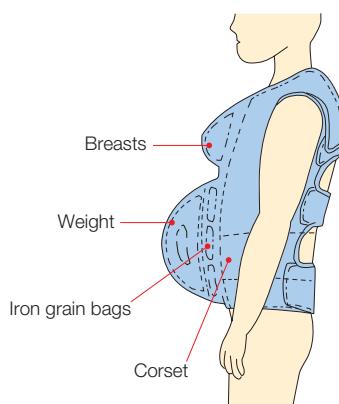
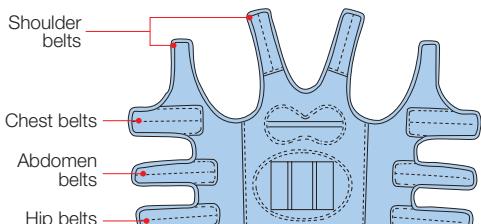
Jacket	10 % cotton, 90% polyester
Abdomen	Urethane gel
Weight for adjustment	Iron grain
Corset	100 % cotton, Sewing elastic
Storage bag	100 % nylon

Weight Approx. 7.3 kg

Gel	Approx. 3.5 kg
Iron grain bag	Approx. 1 kg × 3 pieces
Jacket	Approx. 0.7 kg

Cleaning: Hand wash, iron

Maternity Simulation Jacket II



■ Specifications

Maternity Simulation Jacket II (LM-065)

Material

Jacket	100 % cotton
Abdomen	Urethane foam + Iron
Weight for adjustment	Iron grain
Corset	100 % cotton, Sewing elastic

Weight Approx. 7.3 kg

Abdominal weight	Approx. 3.5 kg
Internal grain bag:	Approx. 1 kg × 3 pieces
Jacket	Approx. 0.7 kg

Cleaning: Dry clean

*For both types, only jackets can be washed. Before washing, make sure to remove the breasts, abdominal weights, and iron powder bags from the jacket.

Nursing/ Caregiving Training Models

P.41



Injection and Blood Sampling
Practice Model Type I
LM-028

P.39



Multipurpose Injection
Training Arm
LM-074

P.42



Intravenous Drip Infusion
Practice Model
LM-115

P.51



Male Catheterization and
Enema Simulator
LM-109M

P.52



Male Catheterization and
Enema Simulator (Strap-on type)
LM-109MA

P.53



Female Catheterization and
Enema Simulator
LM-109F

P.54



Female Catheterization and
Enema Simulator (Strap-on type)
LM-109FA

P.56



Urethral Catheterization
Model
LM-061

P.58



Stool Extraction and
Enema Training Model
LM-117



The diagram illustrates various anatomical points on a human torso, each marked with a red dot and connected by lines to specific medical simulation models. The points are located on the head, neck, and torso.

- P.49** Suction Training Model Type II LM-097
- P.47** Suction-Tube Feeding Simulator LM-097B
- P.61** Central Venous Puncture Trainer LM-090
- P.43** Physical Assessment Trainer LM-084
- P.37** Gluteal Intramuscular Injection Model LM-027
- P.38** Gluteal Intramuscular Injection Model II LM-057
- P.45** The Aged Simulation Set LM-060/LM-102

Gluteal Intramuscular Injection Model



LM-027

■ Specifications

Main body

Size	Approx. 36(L) x 32(W) x 20(H) cm
Weight	Approx. 3.6 kg

Storage case

Size	Approx. 39(L) x 42(W) x 32(H) cm
Weight	Approx. 4.0 kg

■ Components

Main body	1
AA size batteries	4
Spare injection sites (left and right)	1 each
Drainage tubes (left and right)	1 each
Storage case	1

■ Spares

a. Injection sites (left and right)

LM-0271

b. Skin

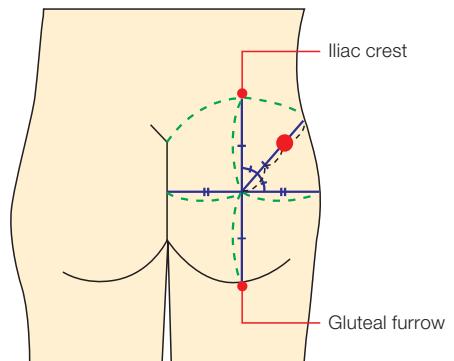
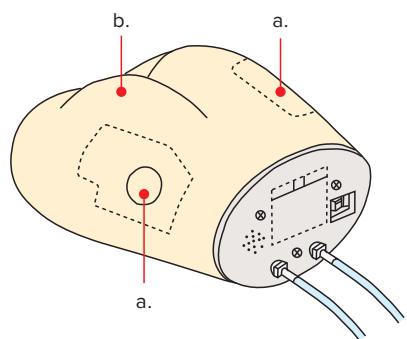
LM-0272

Alarm sensor site (left and right)

LM-0273

Drainage tube (2pcs/set)

LM-0274



The injection sites in this model are in the upper outer quadrants of the buttocks. The model is designed to simulate the actual sensation of the human skeletal structure required to determine the correct injection sites.

Features

- Inserting the injection needle into an area other than the correct injection site causes the alarm to sound.
- Users can practice a range of injection procedures, including needle puncture and infusion of simulated injection fluid (water). The injection fluid is discharged from the model via the drainage tube.
- The model closely simulates the human body so that users can practice locating and maintaining the correct injection site and performing injections at various angles under realistic conditions.
- The injection site components and skin are easy to replace.

Practical Training

Injection Site

- The correct injection site is located near the center of the upper right quadrant and 1/3 the distance from the iliac crest.
- The correct injection sphere is 5 cm in diameter, which is the approximation of the subcutaneous panniculus adiposus and the panniculus.
- The iliac crest, iliac spine, anterior superior iliac spine, anterior inferior iliac spine, trochanter major and pubic bone can be palpated.

Gluteal Intramuscular Injection Model II



The model's injection sites correspond to the measurement methods of von Hochstetter and Clark, and it is designed to simulate the actual sensation of the human skeletal structure required to determine the correct injection site.

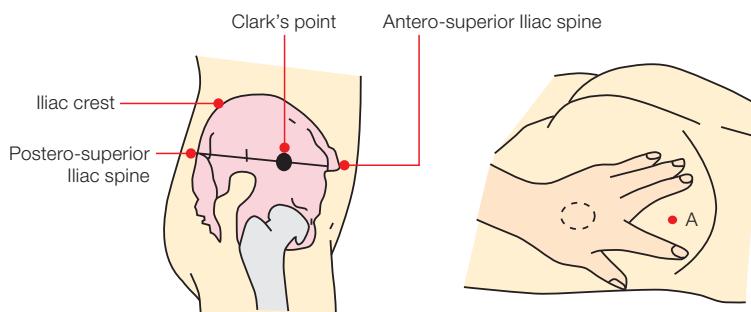
Features

- Inserting the injection needle into an area other than the correct injection site causes the alarm to sound.
- Users can practice a range of injection procedures, including needle puncture and infusion of simulated injection fluid (water).
- The model closely simulates the human body so that users can practice locating and maintaining the correct injection site and performing injections at various angles under realistic conditions.
- The model features a stand so that injections with the patient in a lateral recumbent position can also be practiced.
- The injection site components and skin are easy to replace.

Practical Training

Injection Site

- To locate von Hochstetter's injection site, place the center of the left palm on the greater trochanter and the tip of the index finger on the anterosuperior iliac spine. Spread the index and middle fingers as widely as possible. The central point between the index and middle fingers and the iliac crest is von Hochstetter's site (Point A).



LM-057

■ Specifications

Main body

Size	Approx. 19(L) x 37(W) x 29(H) cm
Weight	Approx. 4.0 kg

Storage case

Size	Approx. 39(L) x 42(W) x 32(H) cm
Weight	Approx. 3.6 kg

■ Components

Main body	1
AA size batteries	4
Spare injection sites (left and right)	1 each
Drainage tubes (left and right)	1 each
Storage case	1
Stand	1

■ Spares

- a. Injection sites (left and right)

LM-0571

- b. Skin

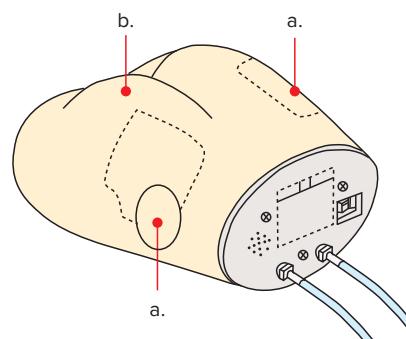
LM-0572

- Alarm sensor site (left and right)

LM-0273

- Drainage tube (2pcs/set)

LM-0274



Multipurpose Injection Training Arm

with
storage
bag



LM-074

■ Specifications

Arm

Size	Approx. 63(L) x 10(W) x 11(H) cm
Weight	Approx. 3.0 kg

Stand

Size	Approx. 60(L) x 27(W) x 68(H) cm
Weight	Approx. 2.0 kg

■ Components

Main Body	1
Arm skins	3parts
Irrigator	2
Pinch cock	2
Simulated blood (500ml)	1
Elbow rest	1
Syringe 50 ml	1
Drainage tube 1ml	1
Stand	1
Storage bag	1
Baby powder	1

Three different injection techniques—intramuscular injection, hypodermic injection, and IV injection—can be practiced with a single model. Moreover, IV injection can be practiced in the median antebrachial vein and opisthenar vein, allowing a total of four different injection techniques to be practiced.

Features

- Silicone is used in the skin and other main parts, and so the look, feel, and puncture sensation are similar to those with a real human body, resulting in more realistic practice.
- Since four different techniques can be practiced with a single model, it is no longer necessary to use several models as in the past and setup and cleanup/re-storage times are reduced.
- With a movable shoulder, elbow, and wrist, a realistic body position for each technique can be reproduced.
- The skin (silicone) can withstand many punctures without leaving visible needle holes, and so can be used for a large number of practices.
- Blood can be removed with a vacuum blood collection tube or syringe.

*Recommend using a needle smaller than 21G.

Intramuscular Injection	Hypodermic Injection
	<ul style="list-style-type: none"> The injection site can be confirmed using the acromion.
IV (Intravenous) Injection	
	<ul style="list-style-type: none"> Withdrawal of blood using syringe or vacutainer *Use a needle smaller than 21G. IV injection into the median antebrachial vein IV injection into the dorsal vein of the hand
IV injection into the median antebrachial vein	IV injection into the dorsal vein of the hand

■ Spares



For Hypodermic / Intramuscular Injections
a. Arm skin (upper arm)

LM-0741

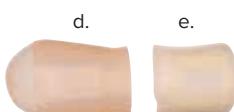
For IV (Intravenous) Injection

b. Arm skin (forearm)

LM-0742

c. Arm skin (hand)

LM-0743



For Hypodermic / Intramuscular Injections
d. Intramuscular injection gel bag

LM-0745

e. Hypodermic injection site

LM-0747



For Hypodermic / Intramuscular Injections

f. Intramuscular injection sponge

LM-0746

g. Hypodermic injection sponge

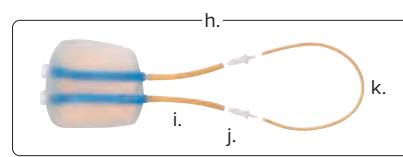
LM-0748



For Hypodermic / Intramuscular Injections

Acromial part

LM-07411



For IV (Intravenous) Injection

h. IV injection site

LM-07416

i. Blood vessel tube (10 pcs / set)

LM-07414

j. Blood vessel connector (10 pcs / set)

LM-07415

k. IV Opisthenar blood vessel tube (10 pcs / set)

LM-07413



Simulated blood (500ml)

LM-028D

Irrigator (2pcs / set)

LM-07412

Injection and Blood Sampling Practice Model Type I

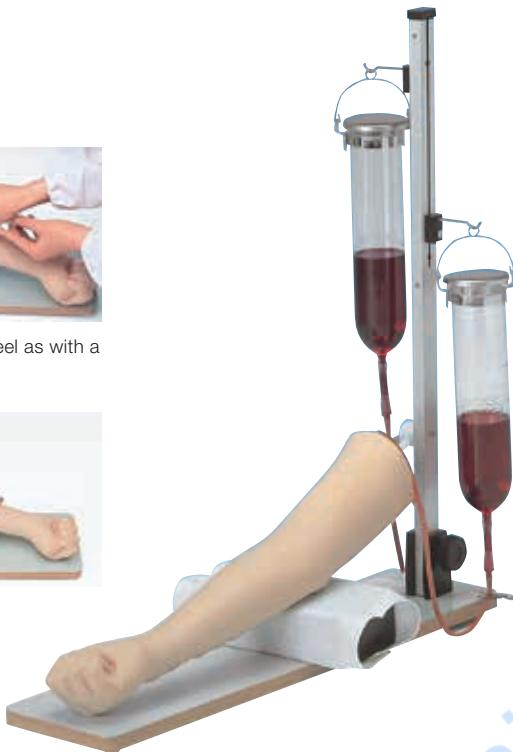
with
storage
case



Needle injection has same feel as with a human arm.



Replaceable outer skin and blood vessel tube.



A series of techniques such as confirmation of injection site, insertion hypodermic needle and injection of medicine are possible with this model. The pressurized blood vessel can be palpated, and needle insertion provides a feeling similar to that offered by a real human arm. Blood vessel tube is durable enough to be used in numerous practice injections.

Features

- Made of a special silicone rubber, this lifelike model limb features synthetic skin that is remarkably similar to human skin.
- The sensation of injecting a hypodermic needle into this model's simulated skin and blood vessels is identical to that encountered when performing an injection on an actual patient. Practice of both medicine injection and blood sampling using this model provides trainees with a remarkably realistic experience.
- Resilient synthetic skin conceals injection marks well, even after numerous practice injections. Injection points are highly resistant to tears and other damage.
- The artificial blood features the same viscosity and color as those of actual human blood. Since it is entirely water soluble, spills are cleaned easily without the worry of staining.
- The model's lifelike circulation operates through a simple manual process. This rugged, serviceable model incorporates extremely reliable mechanisms for trouble-free service over the long term.
- This simply designed model enables easy exchange of both the synthetic skin and veins.

LM-028

■ Specifications

Arm

Size	Approx. 59(L) x 9(W) x 9(H) cm
Weight	Approx. 2.0 kg

Stand

Size	Approx. 60(L) x 16(W) x 67(H) cm
Weight	Approx. 1.5 kg

Storage case

Size	Approx. 67(L) x 30(W) x 21(H) cm
Weight	Approx. 4.0 kg

■ Components

Arm skin	1
Arm musculature	1
Blood vessel tube	6
Base and stand	1
Irrigator (500ml)	2
Simulated blood (500ml)	1
Elbow rest	1
Pinchcock	2
Tube connector	2
Baby powder	1
Transfusion set	1
Storage case	1

■ Spares

Arm skin

LM-028B

Blood vessel tube (10 pcs)

LM-028C

Simulated blood (500ml)

LM-028D

a. Tube connector (2 pcs)

LM-028E

Irrigator (2 pcs)

LM-028F

Pinchcock (2 pcs)

LM-028G

a.



■ Options

Arm skin (thick type)

LM-028S-T

Plastic container (2 pcs)

LM-028H



*This portable polyethylene tank is designed exclusively for simulated blood and makes it hard to spill the contents.

■ Accessory set

Arm skin	1
Blood vessel tube	5
Simulated blood (500 ml)	1

LM-028A

*This set is excellent value.

Intravenous Drip Infusion Practice Model



LM-115

■ Specifications

Size	Approx. 16(L) x 40(W) x 0.3(H) cm
Weight	Approx. 40 g

■ Components

Intravenous drip infusion practice model	5
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This is a dedicated model to teach the techniques for management of medication and assistance, assuming a patient under intravenous infusion.

Features

- The intravenous infusion route can be connected to the model mounted onto a simulated patient, etc. ^{*1}
- The model can be fixed to the intravenous infusion route using medical adhesive tape.
- It is possible to practice adjustment of the dripping speed.
- Changes in the dripping speed can be checked according to the body position and the condition of the intravenous infusion route.
- With this dedicated model, fluid leakage can be reduced during practice. ^{*2}
- The intravenous infusion (simulated medication) can be administered at up to about 200 ml. ^{*3}
- Due to the absence of a drainage tube, the model can be used for education on changing night clothes and the body position, transfer assistance, etc., for a patient undergoing intravenous infusion.

*1. To connect the intravenous infusion route to the model, please use the outer cylinder of the intravenous indwelling needle in your inventory. Before inserting the outer cylinder of the intravenous indwelling needle into the model, remove the inner cylinder to leave only the outer cylinder. This will prevent accidents due to a mis-puncture.

*2. Some fluid leakage may occur. For structural reasons, it is not possible to completely prevent fluid leakage.

*3. Please prepare the absorbent pad separately. The allowed instillation volume depends on the volume and the status of use of the absorbent pad.



When the intravenous infusion route is connected



Housing the absorbent pad

Physical Assessment Trainer

with
storage
case



LM-084

■ Specifications

Torso main body

Size	Approx. 21(L) × 38(W) × 54(H) cm
Weight	Approx. 7.0 kg

Torso model base

Size	Approx. 30(L) × 30(W) × 1.5(H) cm
Weight	Approx. 2.0 kg

Sound source

Size	Approx. 19(L) × 32(W) × 9(H) cm
Weight	Approx. 3.3 kg

■ Components

Torso

Skin	1
Main body	1
Model base	1
Bolt for fixing model base	1
Pump for inflating simulation lungs	1

Sound source

Heart and breathing sound source	1
Cord for connecting model and heart / breathing sound source	1
Power supply code for heart / breathing sound source	1

Others

Pouch	1
Hexagonal wrench (8mm)	1
Syringe (20ml)	1
Hard case	1

Torso model for acquiring basic techniques for physical assessment (Palpation / Percussion / Auscultation)

Features

- Inspection: Inspection of cervix and chest
- Palpation : Palpation of lymph node on upper clavicle, palpation of thyroid gland
- Percussion : Percussion of thorax
By injecting air into simulation lungs, you can adjust the air and set the normality / abnormality of each simulation lung.
- Auscultation: Auscultation of heart and breathing
Breathing sounds: 12 kinds of breathing sounds (Normal - 1, Abnormal - 11)
Heart sounds: 20 kinds of heart sounds (Normal - 2, Abnormal - 18)

Case data

Breathing Sounds

- Auscultation region (Two for each of right and left lung. One for bronchus)
- After auscultation, abnormal breathing sound can be adjusted which is corresponding the status you set for the abnormality to each of right and left lung.

1	Normal vesicular sound
2	Discontinuous sounds-fine crackles
3	Discontinuous sounds-coarse crackles
4	Rhonchi
5	Wheezes
6	Mixed sounds (rhonchi and wheezes)
7	Nervous dyspneic respiration
8	Dyspneic respiration at rest
9	Cardiac asthma
10	Dyspneic respiration in asthma
11	Cheyne-stokes respiration
12	Biot's respiration



Heart sounds

- Heart sounds: 20 kinds of heart sounds (Normal - 2, Abnormal - 18)
- Auscultation region (Heart base, Apex cordis - 4)

1	Normal (without splitting of S2)
2	Normal (splitting of S2)
3	Abnormal (splitting of S2)
4	Hypertension increased intensity of S2 at apex
5	S4 apex
6	Innocent murmur
7	Ejection sound aortic site
8	Midsystolic click sound
9	Midsystolic click murmur
10	Tricuspid regurgitation
11	Mitral stenosis
12	Mitral regurgitation
13	Aortic stenosis
14	Aortic regurgitation
15	Subaortic stenosis
16	Atria septal defect
17	Ventricular septal
18	Pulmonic stenosis
19	Pulmonic steno-regurgitation
20	Patent ductus arteriosus

The Aged Simulation Set / The Aged Simulation Set L size

with storage bag

Goggles (1 pc)

These goggles allow the trainee to experience changes in visual function, such as loss of peripheral vision and deteriorated sight due to cataracts.

Material: vinyl chloride

Finger restrictors (1 pair for both hands)

These restrictors limit the movement of the finger joints, making the trainee more clumsy.

Material: 100% cotton and ABS

Gloves (10 pairs)

These gloves decrease the trainee's sense of touch in the hands and fingers.

Material: 100% cotton

Walking stick (foldable) (1 pc)

This stick is intended to allow the trainee to experience how physically disabled people support themselves with walking sticks.

Material: aluminum



Earplugs (50 pairs)

These earplugs block high-frequency sounds, allowing the trainee to experience presbycusis.

Material: expanded polymer

The Aged Simulation Set

LM-060

The Aged Simulation Set L size

LM-102

Back protector (1 pc)

This protector restricts the posture, forcing the trainee to adopt a bent position specific to aging.

Material: 100% cotton and aluminum

Elbow restrictors (1 pair for both elbows)

These restrictors limit the motion of the elbow joints to allow the trainee to experience difficulty with arm movements.

Material: 100% cotton and ABS

Wrist weights: 500 g (1 pair for both wrists)

These weights are loaded on the wrists to allow the trainee to experience a simulated loss of arm muscle.

Material: iron particles

Knee restrictors (1 pair for both knees)

These restrictors limit the motion of the knees to allow the trainee to experience difficulty with leg movements.

Material: 100% cotton and ABS

Ankle weights: 1000 g (1 pair for both ankles)

These weights are loaded on the ankles to allow the trainee to experience simulated loss of muscle.

Material: iron particles

*Training bib is written "I am experiencing the effects of aging." in English on the reverse side.

The aged simulation set is a teaching material intended to demonstrate the inconveniences felt by the aged due to the musculoskeletal, visual and auditory changes that occur with age. This set is the most suitable for medical care, nursing and welfare training.

Features

- Adjusting the extensively placed hook-and-loop fasteners straps can enable the set to be worn by trainees of various physiques.
- It is hard for the trainee to move the joints when wearing knee and elbow restrictors. The trainee can also experience reduced muscle power with wrist and ankle weights attached, and a reduced sense of touch by wearing the gloves.
- A stooped posture can be experienced by wearing the back protector.
- Loss of peripheral vision and changes in visual function due to cataracts can be experienced by wearing the goggles.
- Earplugs are specially created to block out the high-frequency sound range. Wearing these simulates presbycusis, which makes it difficult to hear high-frequency sounds.

Specifications

The Aged Simulation Set (LM-060)

Total weight	Approx. 6.5 kg
Suitable for	approx. 155 - 170 cm in height

The Aged Simulation Set L size (LM-102)

Total weight	Approx. 7.0 kg
Suitable for	approx. 170 - 185 cm in height

*Use the above size compatibility chart as a guide. Depending on physique, some trainees may not be able to wear the set properly.

*This product not only simulates the state of becoming a senior. It also provides users with experience in body function changes caused by aging so they can carry out considerate and attentive nursing care by understanding how seniors feel.



Difficulty in standing up and sitting in a chair, and in using the bathroom



The visual field is narrowed, and letters and colors are difficult to be recognized



Difficulty in bending the joints



Difficulty in hearing sound



Difficulty in going up and down the stairs

■ Components

Ear plugs (50 pairs)	1
Gloves (10 pairs)	1
Goggles	1
*Elbow restrictors	1 pair for both elbows
*Knee restrictors	1 pair for both knees
*Finger restrictors	1 pair for both hands
*Back protector	1
Wrist weights (500g)	1 pair for both wrists
Ankle weights (1000g)	1 pair for both ankles
Walking stick (foldable)	1
Training bib	1
Storage bag	1

*The sizes of LM-060 and LM-102 are different.

■ Spares (ABS plates)

ABS plate for LM-0604 (10pcs)

LM-0604A

ABS plate for LM-0605 (10pcs)

LM-0605A

L size ABS plate for elbows restrictor (10pcs)

LM-102A

L size ABS plate for knees restrictor (10pcs)

LM-102B

d. Elbow Restrictors (1 pair) / Restrictor for elbows L size (1 pair)

LM-0604

LM-102C

e. Knee Restrictors (1 pair) / Restrictor for knees L size (1 pair)

LM-0605

LM-102D

f. Finger Restrictors (1 pair) / Restrictor for fingers L size (1 pair)

LM-0606

LM-102E

g. Back protector / Back protector L size

LM-0607

LM-102F

h. Wrist weights (500g) (1 pair)

LM-0608

i. Ankle weights (1000g) (1 pair)

LM-0609

j. Walking stick (foldable)

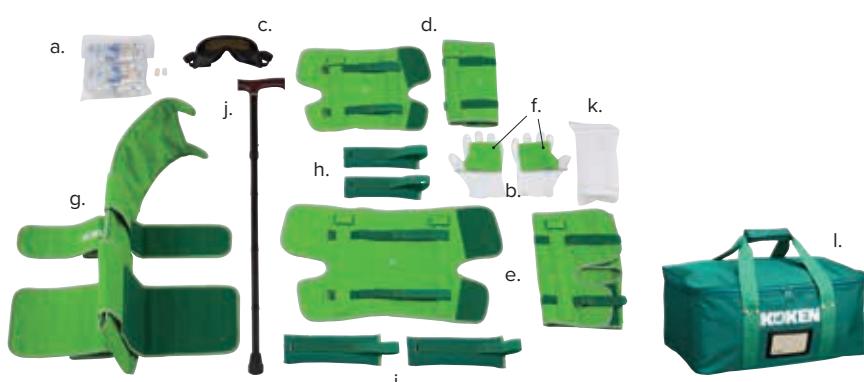
LM-06010

k. Training bib

LM-0611

l. Storage bag

LM-06012



Restrictors for Elbows and Knees (ABS plate)

The ABS plates are designed to simulate a restricted range of motion for the trainee's knees and elbows. They can be easily replaced.



Suction · Tube Feeding Simulator



LM-097B

■ Specifications

Size	Approx. 72(L) x 31(W) x 20(H) cm
Weight	Approx. 4.0 kg

■ Components

Suction Training Model Type II

Main body	1
Side of face	1
Bronchus	1
Clasp for bronchus	1
Acrylic board for Side of the face	1
Glycerin	1
Simulated sputum (100g)	1
Tracheostomy Cannula (Exclusively for Educational Medical Models)	1

*Catheter is not included. Please refer to the compatible catheter sizes below and prepare an appropriate catheter.

Tube Feeding Components

Main body	1
Back plate	1
Gastrostomy tank	1
Tube feeding tank	1
Insertion support piece	1
Storage bag	1

■ Compatible catheter sizes

Suction catheters	12 Fr ~ 16 Fr
Feeding tube	8 Fr ~ 16 Fr
Gastrostomy tube	20 Fr (Shaft length: 3 cm)

*Please use lubricant (glycerin) when inserting a catheter.

■ Spares

For Suction Training Model Type II
Simulated sputum (100g x 5pcs)

LM-0701

Bronchus (with 2 caps)

LM-097D

Acrylic board for the side of the face

LM-0702

Clasp for bronchus

LM-097A

For Tube Feeding Components
Insertion support piece

LM-097E

Tube feeding tank

LM-097F

Gastrostomy tank

LM-097G

Tube feeding / Gastrostomy care

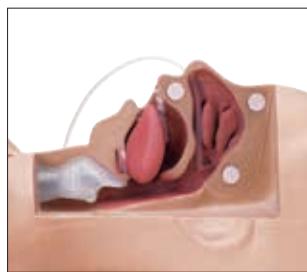
- The facial region can be divided into two halves along the midline, allowing confirmation of the actual insertion status of a suction catheter or nasogastric tube. The model is also designed to enable study of the anatomical structures of the nasal cavity, oral cavity and cervical area.
- Insertion of the feeding tube all the way to the gastric fundus can be practiced. Air bubble sounds can be heard and suction of gastric fluid can be used to confirm the insertion of the tube.
- Placement and care of gastrostomy tube can be practiced.
- The tube feeding components come with an internal tank, allowing nasogastric tube feeding and gastrostomy management using actual liquids. Techniques can also be practiced using actual nutrient solution, equivalent to routine nursing care settings.
- The tank has a drainage function, so there is no need to worry about overflow when the tank becomes full.
- The model can be taken apart for very easy maintenance. The tanks for liquids are washable, so hygiene is not a worry.

Practical Training

- Insertion of suction catheters into the nasal cavity and oral cavity, and suction
- Insertion of suction catheters from the tracheostomy site and suction (Catheters cannot be inserted into the bronchus from the nasal cavity or oral cavity)
- Feeding tube insertion into the stomach and auscultation of air bubble sounds, and suction of gastric fluid
- Placement of gastrostomy tubes
- Injection of nutrient solutions
- Cleaning of the fistula and gastrostomy catheter
- Understanding the anatomical structures of the nasal cavity, oral cavity, and cervical area



Insertion of suction catheters from the tracheostomy site



Insertion of suction catheters into the nasal cavity and oral cavity



Tube feeding (confirming tube insertion)



Gastrostomy tube care

Tube Feeding Components



Optional item for Suction Training Model II.

Attaches to Suction Training Model II (LM-097) for tube feeding and gastrostomy care.

*Cannot be attached to the previous Suction Training Model (LM-070).

LM-097C

■ Specifications

Main body

Size	Approx. 37(L) x 31(W) x 20(H) cm
Weight	Approx. 2.8 kg

■ Components

Main body	1
Back plate	1
Gastrostomy tank	1
Tube feeding tank	1
Insertion support piece	1
Storage bag	1

*Catheter is not included.

■ Spares

Insertion support piece

LM-097E

Tube feeding tank

LM-097F

Gastrostomy tank

LM-097G

Suction Training Model Type II



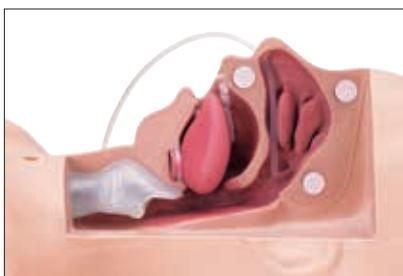
This model can be used to practice the insertion of suction catheters into the nasal cavity, oral cavity and tracheostomy site, as well as suction procedures, routinely applied in the nursing and caregiving fields.

Features

- Silicone rubber is used for the model, so that students can practice with an exterior and feel that are very close to those of a living human body.
- The facial region can be divided into two halves along the midline, allowing confirmation of the actual insertion status of a suction catheter or feeding tube.
- Designed to enable study of the anatomical structures of the nasal cavity, oral cavity and cervical area.
- The simulated sputum provided as an accessory can be inserted into the nasal cavity, oral cavity or trachea, for training. This allows students to train in the same manner as the actual procedure, and enables more effective suction training. (Viscosity of the simulated sputum can be controlled using water.)

Practical Training

- Insertion of suction catheters into the nasal cavity and oral cavity, and suction
- Insertion of suction catheters from the tracheostomy site and suction (Catheters cannot be inserted into the bronchus from the nasal cavity or oral cavity)
- Confirmation of the catheter's actual insertion status
- Understanding the anatomical structures of the nasal cavity, oral cavity, and cervical area



Insertion of suction catheters into the nasal cavity and oral cavity



Insertion of suction catheters from the tracheostomy site

LM-097

■ Specifications

Size (When the bronchus is attached to the model)	Approx. 46(L) × 28(W) × 20(H) cm
Weight	Approx. 1.4 kg

■ Components

Main body	1
Side of face	1
Bronchus	1
Clasp for bronchus	1
Acrylic board for Side of the face	1
Glycerin	1
Simulated sputum (100g)	1
Tracheostomy cannula (Exclusively for Educational Medical Models)	1
Storage bag	1

*Catheter is not included.

■ Spares

- a. Simulated sputum (100g × 5pcs)

LM-0701

- b. Bronchus (with 2 caps)

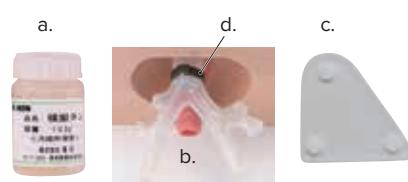
LM-097D

- c. Acrylic board for the side of the face

LM-0702

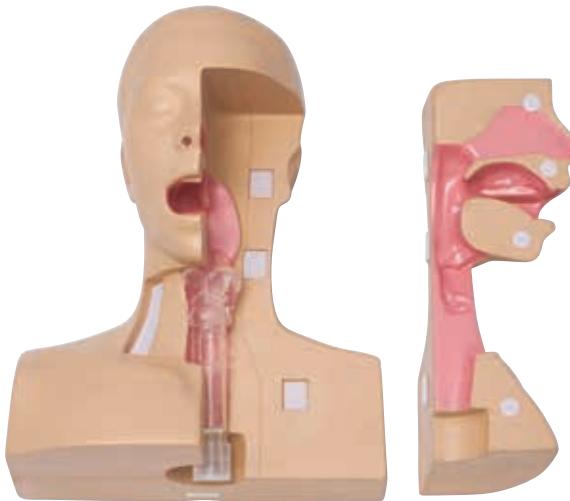
- d. Clasp for bronchus

LM-097A



KOKEN Tracheostomy Management Simulator

with
storage
bag



LM-106

■ Specifications

Size	Approx. 39(L) × 29(W) × 20(H) cm
Weight	Approx. 1.6 kg

■ Components

Main body	1
Side of face	1
Trachea	1
Neck skin surface	1
Specially provided tracheal cannula (The cuff is colored so that it can be identified when attached to the cannula)*	1
Trachea cap	1
Neck surface skin holding plate	1
Simulated sputum (Viscosity can be adjusted diluting with water)	1
Storage bag	1

*Under no circumstances must this specially provided cannula be used on the living body.

■ Spares

a. Neck skin surface

LM-106A

Simulated sputum (100g × 5pcs)

LM-0701

■ Options

Clasp for bronchus

LM-097A

Bronchus (with 2caps)

LM-097D

*Bronchus for Suction Training Model Type II can be attached to the trachea.

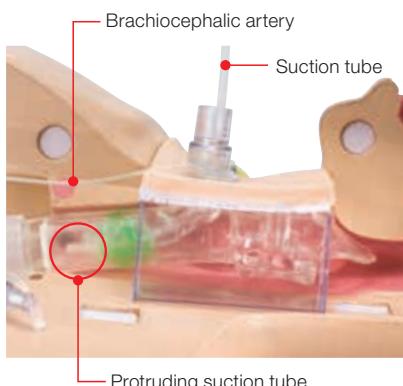
a.



This model can be used to practice the procedures carried out for tracheostomy patients.

Features

- Allows the user to practice the procedures for replacing cannulas.
- As the trachea section is transparent, the state of inflation of the cuff can be observed, and by using the specially provided cannula, the approximate optimum pressure can be confirmed. (Because the posterior wall of the trachea is soft, the user can feel the compression of the trachea that results when the cuff is overinflated.)
- The transparent trachea facilitates explanation of how the suction catheter should be positioned, and of how to perform suction using the upper part of the cuff. (The above mentioned practicing of suction procedures can be performed using the simulated sputum.)
- The soft neck surface skin allows the user to feel the thyroid cartilage through the surface skin.
- The detachable trachea section facilitates explanation of the areas where granulation tends to develop.
- A ventilator can be operated by attaching the specially provided cannula and connecting a test lung, allowing confirmation of the alarm tone generated when air leakage occurs.



Male Catheterization and Enema Simulator

with
storage
bag



LM-109M

■ Specifications

Main body

Size	Approx. 25(L) x 39(W) x 21(H) cm
Weight	Approx. 2.3 kg

Storage bag

Size	Approx. 29(L) x 53(W) x 32(H) cm
------	----------------------------------

■ Components

Main body	1
Urethral part	1
Male Genital skin	1
Pubic area frame	1
Bladder	1
Bladder valve (Male/Female)	1
O-ring	1
Rectal plate	1
Bladder tube	1
Rectum connecting connector	1
Bag for irrigator	1
Tube for irrigator	1
Stand for lateral decubitus	1
Prostate (normal)	1
Prostate (hypertrophy)	1
Drain tube	1
Glycerin enemator	1
Storage bag	1

This product provides a realistic sense of feeling for learning the shape of the urethral canal peculiar to a male. It enables deeper understanding of the anatomy and learning of techniques.

*Lubricant and catheter are not included.

Features

- Lifelike materials have been used to keep the genital area soft and elastic, enabling realistic training experiences.
- The simulator is shaped to imitate the bending of the scrotal-angled portion of the urethral canal and the bulbar urethra. That is, the simulator is configured such that it is difficult to insert the catheter if the penis is not appropriately raised.

■ Spares

Bag for irrigator (3pcs / set)

LM-025J

Tube for irrigator (3pcs / set)

LM-025H

Glycerin enemator (with cap / 5pcs)

LM-0686

a. Male Genital skin

LM-109MB

b. Bladder valve (3pcs/set)

LM-109V

■ Options

Bottle for irrigator

LM-025K

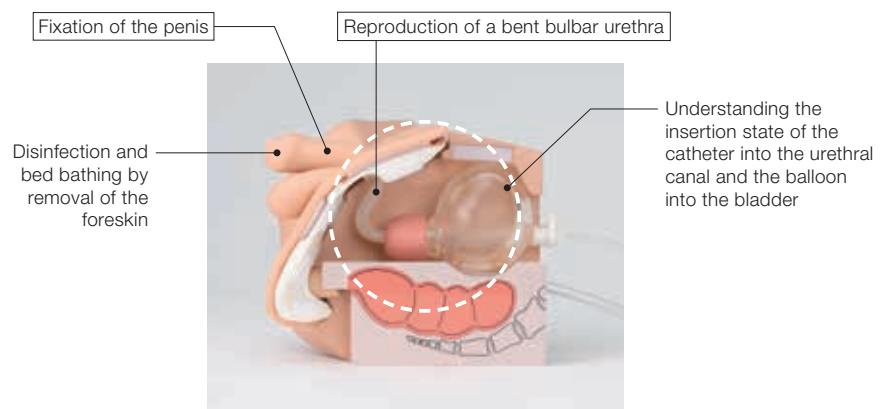


Practical Training

- Disinfection of the pubic area*
- Insertion, fixation, and removal of a catheter**
- Glycerin enema

*Actual disinfection procedures cannot be performed.
Use water instead.

**Use catheters of 14Fr and 16Fr.



For use with the normal prostate part

Male Catheterization and Enema Simulator (Strap-on type)

with
storage
bag



LM-109MA

■ Specifications

Main body

Size	Approx. 23(L) x 13(W) x 18(H) cm
Weight	Approx. 0.7 kg

Storage bag

Size	Approx. 21(L) x 47(W) x 24(H) cm
------	----------------------------------

■ Components

Urethral part	1
Male Genital skin	1
Bladder valve (Male/Female)	1
O-ring	1
Strap-on type frame	1
Bladder tube	1
Strap-on type rectum connecting connector	1
Bag for irrigator	1
Tube for irrigator	1
Drain tube	1
Glycerin enemator	1
Storage bag	1

This is an educational model for urethral catheterization that can be fitted to a human body or a doll. It provides various opportunities for practice, including communication with patients.

*Lubricant and catheter are not included.

Features

- By mounting the simulator on a human body, the feeling of a patient can be simulated. Also, by mounting the simulator on a simulation patient, techniques can be practiced while communicating with the simulation patient.
- Lifelike materials have been used to keep the genital area soft and elastic, enabling realistic training experiences.

■ Spares

Bag for irrigator (3pcs / set)

LM-025J

Tube for irrigator (3pcs / set)

LM-025H

Glycerin enemator (with cap / 5pcs)

LM-0686

a. Male Genital skin

LM-109MB

b. Bladder valve (3pcs/set)

LM-109V

■ Options

Bottle for irrigator

LM-025K



The urethral canal is extended when holding the penis upwards.

Reproduction of the
urethral stricture in
prostatic hypertrophy



For use with the prostate part (hypertrophy)

Female Catheterization and Enema Simulator

with storage bag



LM-109F

This is a life-size model for practicing urethral catheterization and glycerin enema for an adult female.

*Glycerin and catheters are not included.

Features

- Lifelike materials have been used to keep the genital area soft and elastic, enabling realistic training experiences.
- The main body can be separated, and the urethral canal and bladder are transparent. This enables instruction for checking the insertion state of the catheter into the urethral canal and the balloon in the bladder.

■ Spares

a. Female Genital skin

LM-109FB

b. Bladder Valve (3pcs/set)

LM-109V

Bag for irrigator (3pcs/set)

LM-025J

Tube for irrigator (3pcs/set)

LM-025H

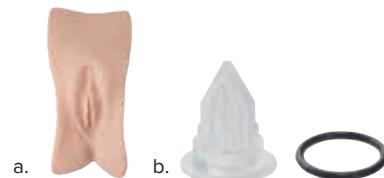
Glycerin enemator (with cap/5pcs)

LM-0686

■ Options

Bottle for irrigator

LM-025K

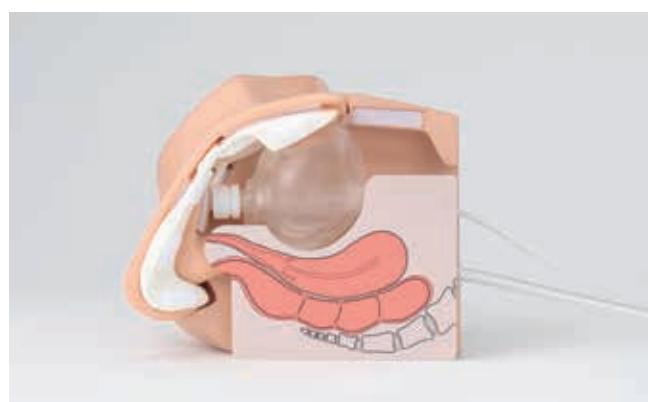


Practical Training

- Disinfection of the pubic area*
- Glycerin enema
- Insertion, fixation, and removal of a catheter**
- Bed bathing

*Actual disinfection procedures cannot be performed. Use water instead.

**Use catheters of 14Fr and 16Fr.



Understanding the anatomy

Female Catheterization and Enema Simulator (Strap-on type)

with
storage
bag



It enables practice of several techniques, using the simulator fitted to a human body or a doll. The feel of the labia closely resembles that of a living body. Inserting a catheter using an appropriate technique causes urine (water) to flow out.

*Glycerin and catheters are not included.

Features

- By mounting the simulator on a human body, the feeling of a patient can be simulated. Also, by mounting the simulator on a simulation patient, techniques can be practiced while communicating with the simulation patient.
- Lifelike materials have been used to keep the genital area soft and elastic, enabling realistic training experiences.

■ Spares

a. Female Genital skin

LM-109FB

b. Bladder Valve (3pcs/set)

LM-109V

Bag for irrigator (3pcs/set)

LM-025J

Tube for irrigator (3pcs/set)

LM-025H

Glycerin enemator (with cap/5pcs)

LM-0686

■ Options

Bottle for irrigator

LM-025K



Indwelling a catheter



Fixation of a catheter

LM-109FA

■ Specifications

Main body

Size	Approx. 23(L) x 13(W) x 11(H) cm
Weight	Approx. 0.6 kg

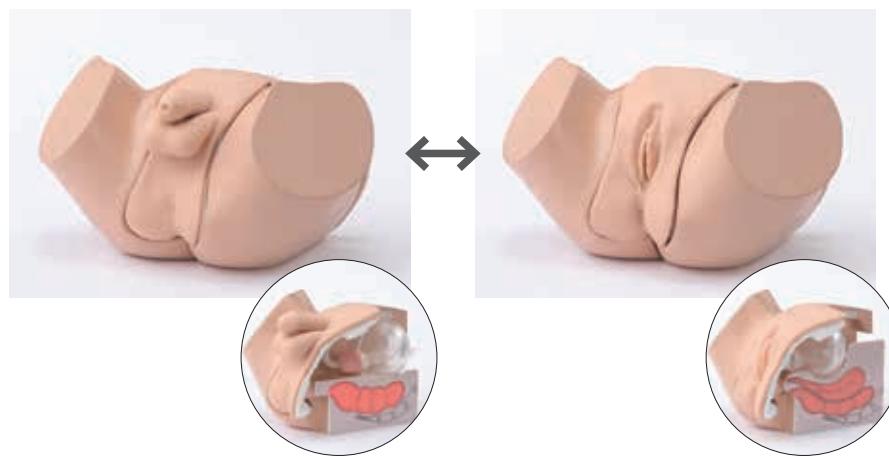
Storage bag

Size	Approx. 21(L) x 47(W) x 24(H) cm
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■ Components

Female Urethral part	1
Female Genital skin	1
Bladder Valve (Male/Female)	1
O-ring	1
Female Strap-on type frame (with belt)	1
Female strap-on type bladder tube	1
Strap-on type rectum connecting connector	1
Bag for irrigator	1
Tube for irrigator	1
Drain tube	1
Glycerin enemator	1
Storage bag	1

Catheterization and Enema Simulator (Male and Female Set)

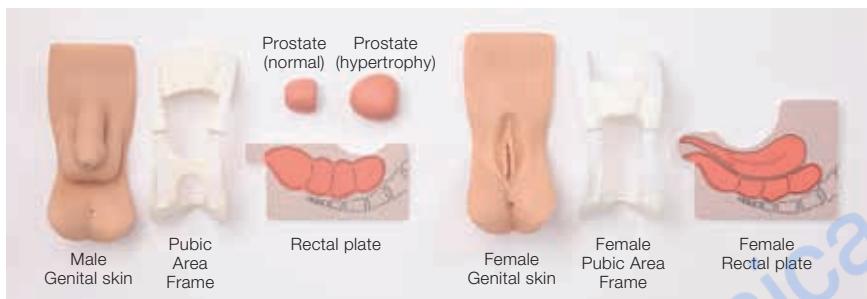


LM-109S

■ Components

Common parts	
Main body	1
Bladder	1
Bladder Valve	1
O-ring	1
Bladder tube	1
Rectum connecting connector	1
Bag for irrigator	1
Tube for irrigator	1
Stand for lateral decubitus	1
Drain tube	1
Glycerin enemator	1
Storage bag	1
Male Genital parts	
Male Genital skin	1
Urethral part	1
Pubic Area Frame	1
Rectal plate	1
Prostate (normal)	1
Prostate (hypertrophy)	1
Female Genital parts	
Female Genital skin	1
Female Urethral part	1
Female Pubic Area Frame	1
Female Rectal plate	1

*One main body is included.



This set consists of a single main body with interchangeable male and female genital parts. Switching from one part to the other makes it possible to use the unit as either a male catheterization and enema simulator or a female catheterization and enema simulator.

Male and Female, Catheterization and Enema Simulator (Strap-on type)



LM-109SA

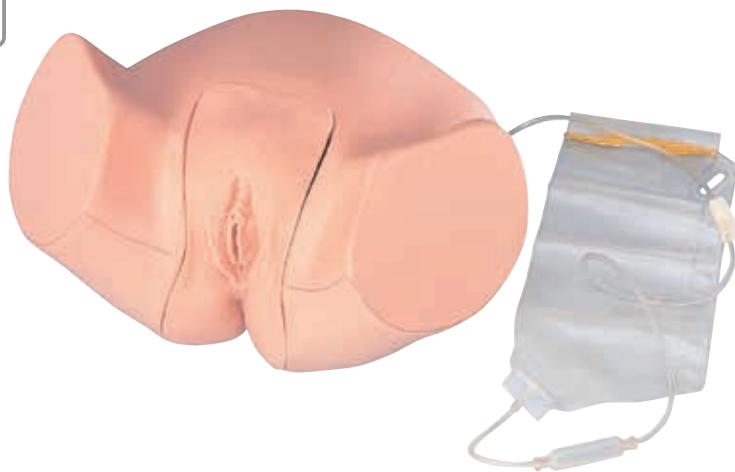
■ Components

Common parts	
Strap-on type frame (with belt)	1
Bladder Valve	1
O-ring	1
Strap-on type rectum connecting connector	1
Bag for irrigator	1
Tube for irrigator	1
Drain tube	1
Glycerin enemator	1
Storage bag	1
Male Genital parts	
Male Genital skin	1
Urethral part	1
Bladder tube	1
Female Genital parts	
Female Genital skin	1
Female Urethral part	1
Female strap-on type bladder tube	1

A single strap-on-type frame comes equipped with interchangeable male and female genital parts. Switching from one part to the other makes it possible to use the unit as either a male catheterization and enema simulator or a female catheterization and enema simulator.

Urethral Catheterization Model

with
storage
bag



The vulva and the urethral openings are anatomically correct. Urethral catheterization can be practiced with very realistic sensations.

Features

- The genitalia and urethra simulate anatomical structure precisely so that female catheterization practice is experienced as it would be with a real patient.
- The turgescence of the bladder can be recognized by palpation, and the trainee can practice this assessment.
- When a catheter is inserted through the urethra, and enters the bladder, artificial urine (water) will flow from the catheter as it would with a real patient.
- The residual urine will be confirmed by pressing on the bladder.
- 500 cc volume bladder provided.
- A self-retaining catheter is applied and positioned.

LM-061

■ Specifications

Size	Approx. 24(L) x 38(W) x 20(H) cm
Weight	Approx. 1.5 kg
Bladder capacity	Approx. 500 ml

■ Components

Main body	1
14Fr indwelling catheter	1
Storage bag	1

*Please use the attached catheter.

■ Spares

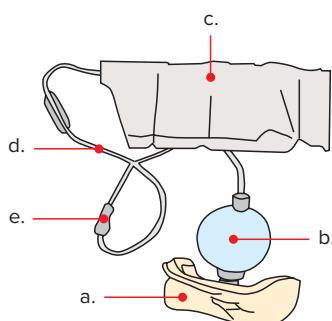
Bag for irrigator (3pcs / set)	LM-025J
Tube for irrigator (3pcs / set)	LM-025H
Urethral opening valve (1 pc)	LM-061A
Vulva	LM-061B
Bladder	LM-061C
Main body	LM-061E
14Fr indwelling catheter	LM-061F
O-ring	LM-061G

■ Options

Bottle for irrigator	LM-025K
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Structure and Name

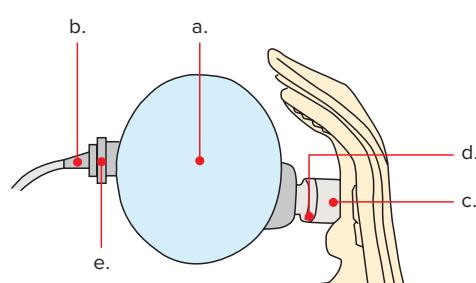
Assembled conditions



a. Vulva
b. Bladder
c. Bag for irrigator

d. Tube for irrigator
e. Clamp
f. Main body

Enlargement of bladder



a. Bladder
b. Tube connector
c. Urethral opening valve (A)

d. Urethral opening valve (B)
e. Hose clamp

Female Catheterization and Rectal Injection Model Type II

with storage case



LM-025

■ Specifications

Main body

Size	Approx. 22(L) x 10(W) x 15(H) cm
Weight	Approx. 340 g

Storage case

Size	Approx. 26(L) x 22(W) x 13(H) cm
Weight	Approx. 865 g

■ Components

Main body	1
Bag for irrigator	1
Tube for irrigator	1
Tube connector	1
Drainage tube set	1
Glycerin enema	1
Storage case	1

*please use the attached catheter.

■ Spares

a. Bag for irrigator (3pcs/set)	LM-025J
b. Tube for irrigator (3pcs/set)	LM-025H
c. Tube connector	LM-025T
d. Drainage tube set	LM-025G
e. Sponge	LM-025S
f. Elastic cord	LM-025E
g. Glycerin enema (with cap/5pcs)	LM-0686

■ Options

h. Bottle for irrigator	LM-025K
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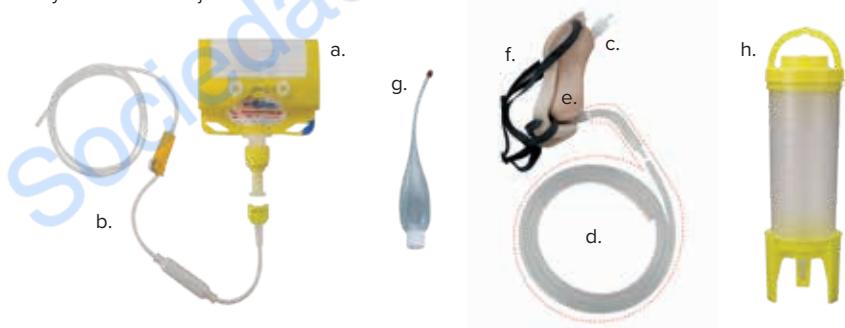
A series of techniques for catheterization and rectal injection can be practiced by wearing or putting on a partial manikin. When a catheter is inserted into the urethra, urine (water) is extracted.

Features

- A realistic model made of silicone using KOKEN's special technology, enabling simulation of adult female catheterization and rectal injection.
- Can easily be worn by a trainee or be placed on a manikin for practice.
- The shape is very lifelike so that observation and cleaning can be performed under realistic conditions.
- Very lifelike sensations can be obtained when a catheter is inserted into the urethra and urine (water) is extracted.
- Glycerin and high pressure rectal injection can be performed when a catheter is inserted into the anus.

Practical Training

- Instruction on observation and disinfection
- Urethral catheterization by holding the labia open
- Glycerin rectal injection



Optional Male Genital Organ

It is possible to practice male rectal injection simulation.

By attaching the male genital organ, urination can be practiced.

This attachment provides no urethral catheterization capability.

LM-025A

■ Specifications

Size	Approx. 16(L) x 11(W) x 11(H) cm
Weight	Approx. 160 g



Stool Extraction and Enema Training Model NEW



LM-117

■ Specifications

Size	Approx. 32(L) x 51(W) x 29(H) cm
Weight	Approx. 5.4 kg

■ Components

Torso	1
Abdomen	1
Buttocks	1
Silicone joint	1
Enema drainage tube	1
Stand	1
Simulated stools (soft and hard) / Suppositories	1 set
Baby powder	1
Glycerin	1
Storage bag	1
Storage sheet	1

*Enema kit is not included.

A human-sized model for both stool extraction and glycerin enema training

Features

- This product enables both stool extraction and glycerin enema training using one portable model.
- Lifelike materials have been used for the buttocks, anus, and rectum to elevate the stool removal training experience; it allows the trainee to lift the upper buttock to gain access to the anus.
- Glycerin enema administration can be practiced using the enema drainage tube.
- The buttocks are included with the anus and rectum areas all the way through and can be easily detached to wash.

Practical Training



Enema administration using the enema drainage tube

Feces Removal and Glycerin Enema Training Model



Feces removal and glycerin enema in the field of nursing and welfare education can be practiced with the same feeling as with a human body. The trainer can provide exact instructions while observing trainee's technique.

Features

- Glycerin enema can be practiced simulating bedridden or the aged patients who are unable to evacuate the bowels by themselves.
- Glycerin fluid can be injected. (It is let out from drainage tube at the side of abdomen.)
- By opening the abdominal cover(skin), the position of enemator's end through transparent intestines can be confirmed and this makes possible safe glycerin enema and its guidance.

Practical Training



Feces Removal



Glycerin Enema

LM-068

■ Specifications

Size	Approx. 33(L) × 55(W) × 35(H) cm
Weight	Approx. 2.8 kg

■ Components

Main body	1
Glycerin enemator	1
Drainage tube	1
Intestine cap	1
Sheet (with base)	1
Simulated feces set (soft 150g, hard 2 pcs)	1 set
Storage bag	1

■ Spares

Simulated feces set (soft 150g, hard 2 pcs)	LM-068A
Drainage tube	LM-0681
Intestine cap	LM-0683
Sheet (with base)	LM-0684
Storage bag	LM-0685
Glycerin enemator (with cap / 5 pcs)	LM-0686

Decubitus Treatment Model



LM-078

■ Specifications

Size	Approx. 18(L) × 22(W) × 5(H) cm
Weight	Approx. 1.4 kg

■ Materials

Holder	Urethane foam
Skin	Silicone

■ Components

Fitting holder	1
Stage I Skin (flare)	1
Stage II Skin (blister)	1
Stage II Skin (epidermolysis)	1
Stage III Skin (decubitus with white necrotic tissue)	1
Stage III Skin (decubitus with black necrotic tissue)	1
Stage IV Skin (decubitus with exposed bone)	1
Baby powder	1

This model is a reproduction of decubitus (a bedsore) on the sacral region shown in separate stages (Stage I to IV). It can be fitted to a human or a training model.

Features

- Six layers of skin are used to represent Stage I to IV to enable understanding of the classification of each stage.
- The skin is made of silicone rubber for an appearance and texture that is similar to that of the human body.
- All six skins can be layered on together and peeled off one by one to show the progression of decubitus at a glance. (Picture-card style)
- Ointment can be applied and surgical treatment can be performed.

*Do not apply ointment to the fitting holder. The surface paint may peel off.

Classification of Each Stage

Stage I	Stage II	Stage III	Stage IV
			
Circumscribed skin flare No changes to pale skin by pressure No injury on epidermis	Partial defect of skin including epidermis and dermis Blister and erosion are observed	Defect reach to subcutaneous tissue Sometimes pocket is formed	Deep defect down to the muscle, bone and support tissue Pocket is formed, and sometimes surgery is required for the treatment

Central Venous Puncture Trainer

with
storage
bag



LM-090

■ Specifications

Size	Approx. 37(L) x 44(W) x 13(H) cm
Weight	Approx. 1.4 kg

■ Components

Main body	1
Internal jugular venous puncture	1
Subclavian venous puncture	1
Blood bag	1
Simulated blood (Dark type)	1
Syringe	1
Accessory case	1
Storage bag	1

■ Spares

a. Internal jugular venous puncture site for ultrasound

LM-090B1

b. Subclavian venous puncture site for ultrasound

LM-090B2

c. Puncture site set for ultrasound

LM-090BS

d. Simulated blood(Dark type) 500ml

LM-090E

Designed for practicing ultrasound guided central venous (CV) puncture as well as landmark puncture.

Features

- Enables learners to identify the puncture site by recognizing the important landmarks.
- Simulated blood can be collected when a needle is inserted into the vein.
- Enables learners perform CV puncture by putting negative pressure on the syringe.
- Backflow air pressure indicates incorrect puncture of the lung.
- Since silicone rubber is used for the puncture site, the skin is realistic in external appearance and touch.
- Spare parts are available for various puncture sites.

*This trainer is designed for practicing exploratory puncture. Catheter and guide wire can't be applied.

*Recommend using a needle smaller than 20G.

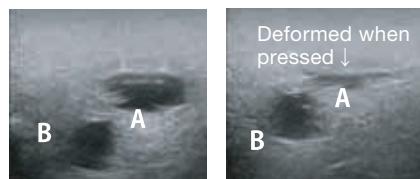
Ultrasound guided central venous puncture

By utilizing an ultrasonography imaging system, internal jugular venous puncture, subclavian venous puncture, supraclavicular venous puncture can be practiced.



■ Confirmation of the internal jugular venous access (Ultrasound images of the internal jugular vein)

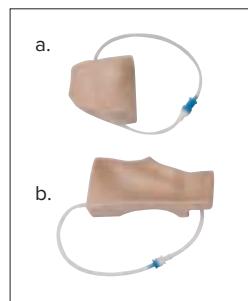
Pressure on the internal jugular vein by the ultrasound probe, causes the vein to become oval and deformed.



Ultrasound guided central venous puncture

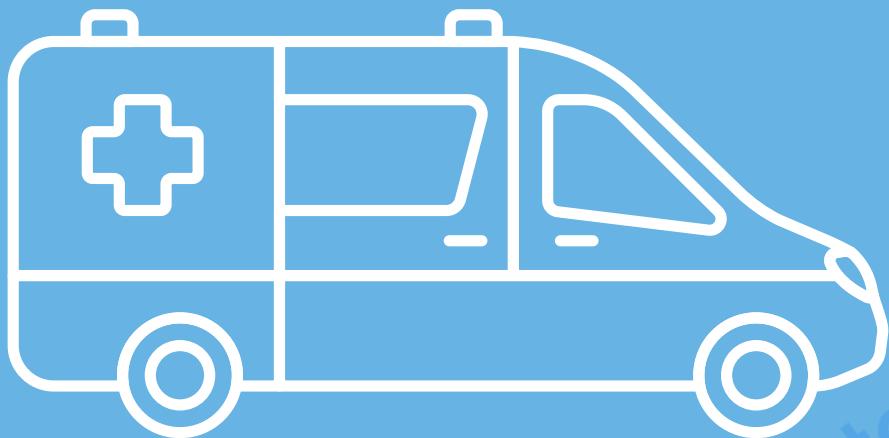
A: Internal jugular venous B: Common carotid artery

*Please note that the ultrasound imaging system works differently in the model than in the human body. Clear images are difficult to obtain in the ultrasound imaging system model.



a + b = c (LM-090BS)

CPR/EMS Models



EMS
Emergency Medical Services

CPR
CardioPulmonary Resuscitation

P.63



Thoracic Trauma Trainer
LM-093

P.66



Face shield for CPR training Faceshee
LM-087

P.66



Kapsee- Capsule Case Face Shield
LM-077/LM-077B

P.69



KOKEN Airway Management Model
LM-059

Thoracic Trauma Trainer



LM-093

■ Specifications

Thoracic trauma trainer (main body)

Size	Approx. 73(L) × 40(W) × 20(H) cm
Weight	Approx. 8 kg

Sponge stand

Size	Approx. 45(L) × 30(W) × 9(H) cm
Weight	Approx. 560 g

* Sponge stand angle: Approx. 10°

■ Components

Thoracic trauma trainer main body	1
Sponge stand	1
Stand	1
Simulated blood (dark type) 500 ml	1
Simulated blood tank	1
AA size batteries	4
Storage bag	1

High-energy trauma often consists of multiple injuries, and thoracic trauma can be considered key when determining priority in treatment. This thoracic trauma trainer is a model that combines practice in surgically securing the airway with practice in the treatment of obstructive shock.

Features

Puncture and Incision of the Cricothyroid Ligament

- The puncture/incision site includes the airway, cricoid cartilage, and thyroid cartilage.
- Attach your own surgical tape (paper) to simulate the cricothyroid ligament.
- The cricoid cartilage and thyroid cartilage are structured so that they can be opened as a procedure for widening the incision.
- The skin is made with silicone, giving it an appearance and texture similar to the real thing, making training more realistic.



Puncture of the Cricothyroid Ligament



Incision of the Cricothyroid Ligament

Thoracentesis (Left and Right)

- Air can be introduced to create swelling of the left or right side of the chest (tension pneumothorax, subcutaneous emphysema).
- Distension of the jugular vein can be simulated in conjunction with the swelling of the chest.
- Sternal angle and second intercostal space are present for use as landmarks for the puncture site.
- Upon puncture, the air flows out, and the swelling of the chest and distension of the jugular vein subside.
- When there is a syringe attached to the puncture needle, air pressure will lift the plunger.
- The skin is made with silicone, giving it an appearance and texture similar to the real thing, making training more realistic.

*Use a needle smaller than 18G.



Thoracentesis (Left and Right)

Thoracic Drainage (Left and Right)

- Two types of sites are available (one that is uncut, so that an actual incision can be made, and one that is pre-cut for repeated use), and procedures can be carried out on both the left and right sides.
- Actual insertion of drainage tubes (trocar catheters, etc.) is possible.
- The fifth and sixth intercostal spaces are present for use as landmarks for the insertion site.
- Attach your own surgical tape (paper) to simulate the pleura.
- The skin is made with silicone, giving it an appearance and texture similar to the real thing, making training more realistic.



Thoracic Drainage (Left and Right)

Pericardiocentesis

- A framework (xiphisternum and costal arch) for identifying the pericardial puncture site is present.
- Simulated blood can be drawn when a puncture with the correct angle and depth has been made.
- An error alarm will sound when the angle is incorrect or the puncture is too deep.
- Distention of the jugular vein can be simulated. (Manual type)
- The skin is made with silicone, giving it an appearance and texture similar to the real thing, making training more realistic.

*Use a needle smaller than 18G.



Pericardiocentesis

■ Spares

a. Cricothyroid cartilage skin (no cut.) (10 pcs)	LM-093B1
a. Cricothyroid cartilage skin (with cut) (5 pcs)	LM-093B2
b. Thoracentesis puncture site (right)	LM-093CR
b. Thoracentesis puncture site (left)	LM-093CL
b. Thoracentesis puncture skin (2 pcs)	LM-093D
c. Right thoracic drainage site (with cut)	LM-093ER
c. Left thoracic drainage site (with cut)	LM-093EL
c. Right thoracic drainage site (no cut) (5 pcs)	LM-093FR

c. Left thoracic drainage site (no cut) (5 pcs)	LM-093FL
d. Pericardiocentesis site for thoracic trauma	LM-093G
d. Skin set for pericardiocentesis site for thoracic trauma	LM-093H
e. Simulated blood (dark type) 500 ml	LM-090E

*red-brown color similar to that of venous blood

■ Options

Hard case

LM-093V



Suture Practice Kit



LM-094B

■ Specifications

Suture practice kit pad

Size	Approx. 15(L) x 15(W) x 2(H) cm
Weight	Approx. 38 g

Suture practice kit stand

Size	Approx. 20(L) x 14(W) x 2.7(H) cm
Weight	Approx. 140 g

■ Components

Suture practice kit pad	5
Suture practice kit stand (with Adhesive gel pads)	1

■ Spares

a. Suture practice kit pad (10 pcs)

LM-094E

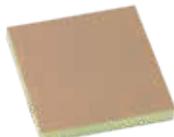
b. Suture practice kit stand (5 pcs)

LM-094F

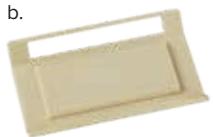
Adhesive gel pads (20 pcs)

LM-094G

a.



b.



Kit for practicing suturing and incisions, which are basic procedures in clinical training. Suitable for practicing skin suturing techniques such as disinfection, suturing, ligation and suture removal.

Features

- Sets the skin on a suture practice kit stand, enabling more appropriate skin tension.
- Reproduces the realistic feel of ligation, enabling it to be performed at the appropriate tension.
- Allows passage of thread or yarn through the suture practice kit stand hook for practice in tying knots.
- Allows repeated practice by being able to replace the suture practice kit pad.



Kapsee- Capsule Case Face Shield

*This product is not available in countries requiring CE mark.



Face shield for artificial respiration during cardiac resuscitation.
Comes with one-way valve, and suitable for protection from infection.
The case reminds the capsule for a pill, and convenient for carrying.

Features

- Round shape face shield makes possible to attach from any directions.
- Easy for use
- Lightweight
- Cardiac resuscitation procedure is described in the attached instructions for use.

■ Red

LM-077

■ Blue

LM-077B

■ Specifications

capsule	Approx. diam. 2.5 × 5.4(H) cm
shield	Approx. diam. 17 × 2(H) cm
blowing-in part	Approx. diam. 1.6 cm



20pcs/box



Face shield for CPR training Faceshee

*This product is not available in countries requiring CE mark.

Components
200 pcs



This is a face shield only for training in artificial respiration using training models.

*Since this is only for training models, please do not use it on a real person

LM-087

■ Specifications

Sheet size	Approx. 25(L) ×18(W) cm
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Features

- Reasonable price.
- Those who prefer not to use their mouth on a doll directly or those who are sharing a model while training should use the face shield.
- Sanitation while training can be increased further by washing and disinfecting the doll's mouth.
- This product can be used in various classes and educational facilities.
- Either side of the blowing-in part can be used when breathing into it, so there is no need to pay close attention to whether it is the front or back.

Neonatal Resuscitation Model

LM-089



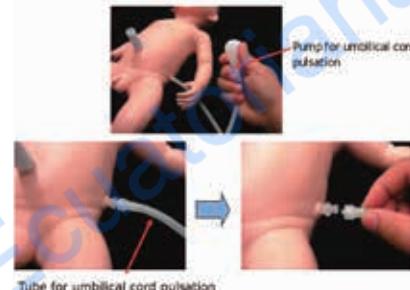
This model is for practicing cardiopulmonary resuscitation on a neonatal baby. It enables users to practice techniques such as artificial respiration and chest compression.

■ Specifications

Height	Approx. 50 cm
Weight	Approx. 2500 g

■ Components

Main body	1
Storage bag	1



Features

- This model is made of specially developed silicone rubber, which has a similar feel to a living human body.
- Thoracic movement can be observed through positive pressure ventilation by utilizing the bag valve mask.
- The airway can be managed by utilizing the laryngeal mask and intubation tube.
- With deep-seated intubation of the tracheal tube, the elevation of the right lung can be checked. (One-sided lung intubation)
- Oral and nasal suction can be practiced.
- Chest compression can be practiced.
- Umbilical vein catheterization can be practiced.
- Measure the beat at the base of the umbilical cord and determine the heart rate.

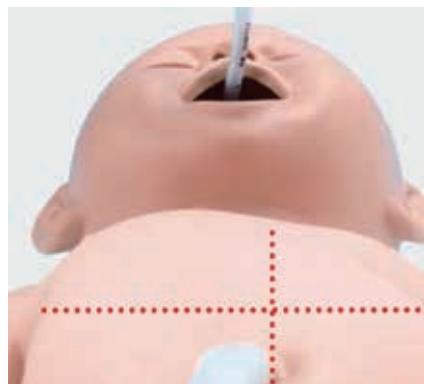
Practical Training



Bag valve mask



Tracheal intubation



One side lung intubation



Chest compression



Umbilical vein catheterization



Determination of heart rate (Umbilical cord)

KOKEN Airway Management Model

with
storage
case



*This product is not available in countries requiring CE mark.

LM-059

■ Specifications

Main body

Size	Approx. 60(L) × 30(W) × 27(H) cm
Weight	Approx. 8.0 kg

Storage Case

Size	Approx. 64(L) × 36(W) × 36(H) cm
Weight	Approx. 6.0 kg

■ Components

Main body	1
AA size battery	2
Storage Case	1

■ Options

Simulated foreign objects (5 cases/set)

LMV-01



■ Spares

Replacement Tongue

LM-059A

Storage case

LM059B



Tracheal intubation



EDD can be used

Features

- By using specially developed silicone rubber, this model provides a similar appearance and touch as that of a living human body.
- Trainees can practice using various apparatus including endotracheal tubes, Laryngeal masks, EGTA, combination tubes, and transnasal airways.
- Opening the larynx with a laryngoscope, removing foreign objects in the airway with forceps, and performing endotracheal aspiration can all be practiced.
- Trainees can smoothly elevate the submaxilla and open the mouth. There is a realistic feel to the skin, oral cavity, and tongue.
- Dilation of the stomach when air enters the esophagus can be confirmed.
- Left and right respiratory sound can be heard with a stethoscope.
- A warning sound is generated when a laryngoscope places excessive pressure on the front teeth.
- This product is an EDD (Esophageal Detector Device). When the esophagus is intubated, the Esophageal Detector Device can confirm there is no re-expansion.

Practical Training

- Elevating the submaxilla.
- Clearing the airway with an endotracheal tube, laryngeal mask, EGTA, or combination tubes.
- Inserting a transnasal airway.
- Giving artificial respiration with a bag mask.
- Using a laryngoscope, removing endotracheal foreign matter with forceps, and doing endotracheal respiration.
- Confirming the dilation of the stomach when air enters the esophagus.
- Hearing respiratory sound with a stethoscope.

Koken Endoscopy Training Series

Respiratory System

P.76



Bronchoscopy Training Model

LM-092

P.77

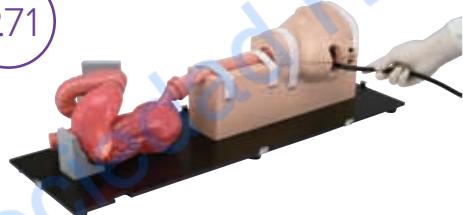


Ultrasonic Bronchoscopy Simulator

LM-099

Upper Gastrointestinal Tract

P.71



EGD (EsophagoGastroDuodenoscopy) Simulator

LM-103

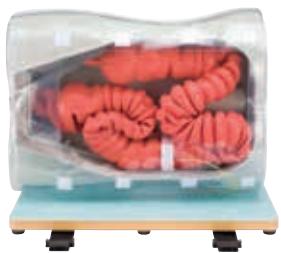
P.75



ESD (Endoscopic Submucosal Dissection) Training Model

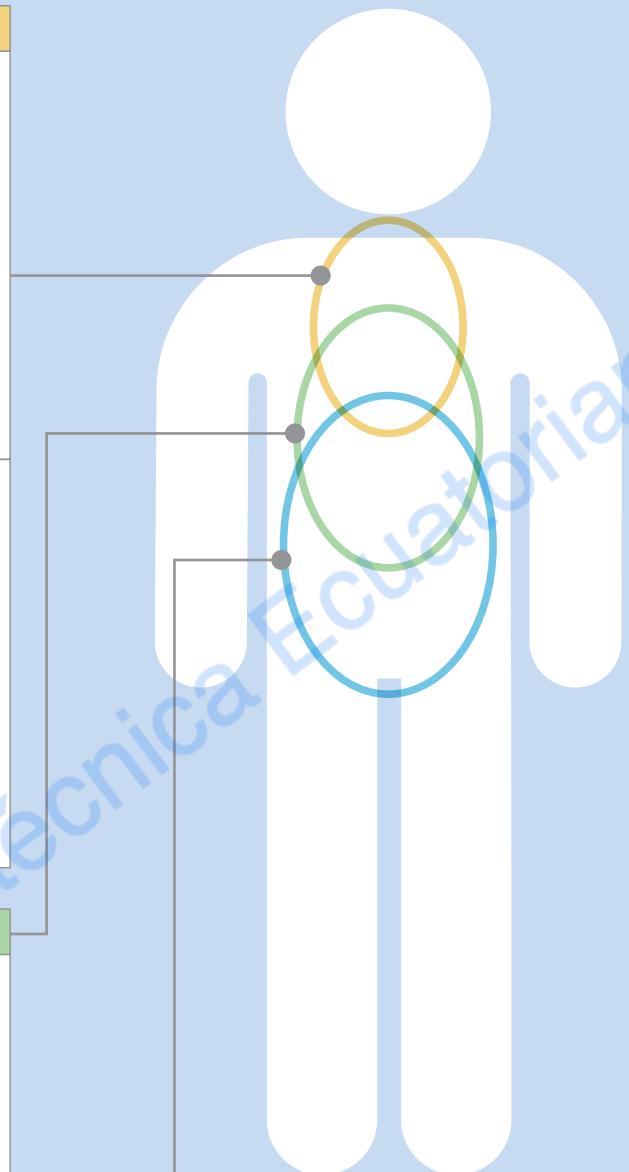
LM-083

P.73



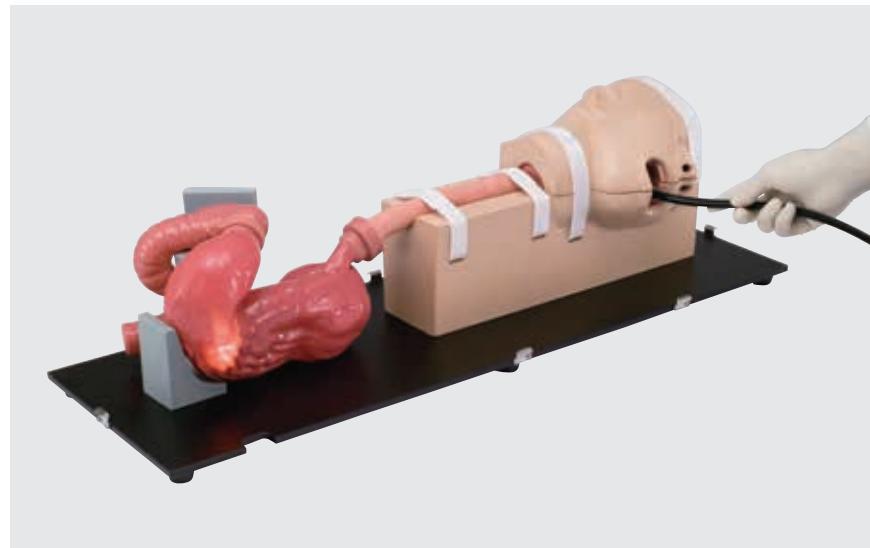
Colonoscopy (Lower GI Endoscopy) Simulator Type II

LM-107



Lower Gastrointestinal Tract

EGD (EsophagoGastroDuodenoscopy) Simulator



LM-103

■ Specifications

Size	Approx. 27(L) x 80(W) x 29(H) cm
Weight	Approx. 8 kg

■ Components

Stomach	1
Half head	1
Main head	1
Hypopharynx piece	1
Esophagus piece	1
Duodenum piece	1
Nasal septum (deviated to the left)	1
Nasal septum (deviated to the right)	1
Conduction cable for simulated polyps (for polypectomy)	1
Stand	1
Observational polyp: Yamada classification types I to IV	1 set (4 types)
Simulated polyp fixture	1
Hard case (for the head side)	1
Hard case (for the body side)	1

■ Spares

Conduction cable for simulated polyps (for polypectomy)

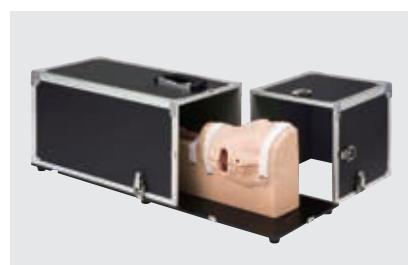
LM-107E

Observational polyp: Yamada classification types I to IV (1 set, 4 types)

LM-103B



The face portion can be opened at the midline to understand the anatomical structure of the nasal and oral cavities and the larynx.



The dedicated box for packaging can be divided into 2 parts, and it can be used to only cover the stomach side.

This product is a simulator in which an endoscope can be inserted into the upper gastrointestinal tract to perform examination.

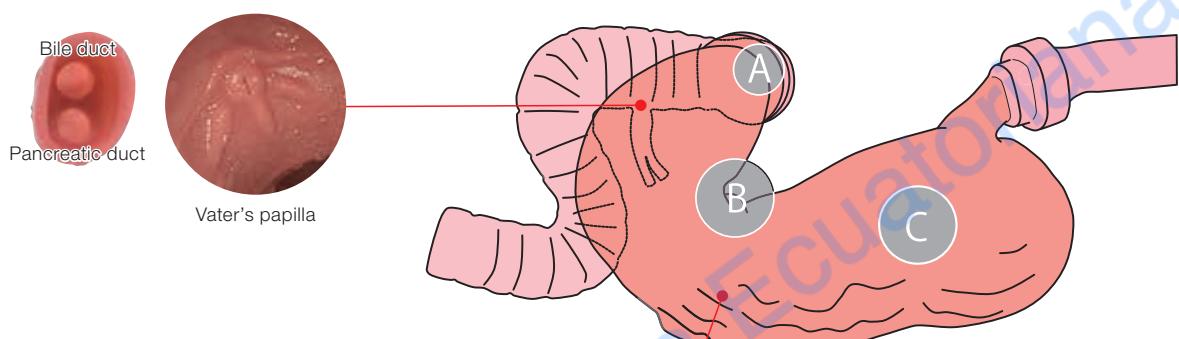
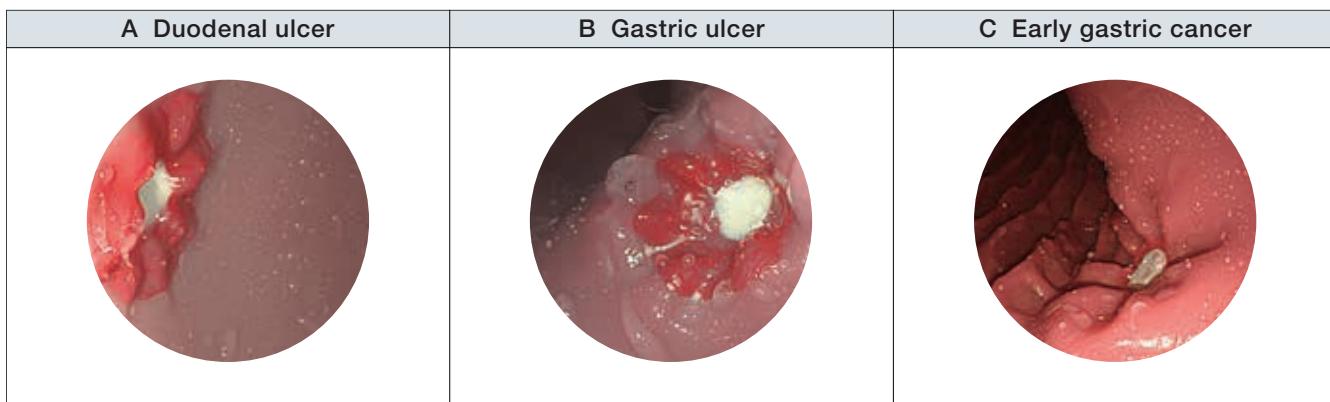
Both transoral and transnasal insertion are available, and as an accessory, recreation of an ulcer and an observational polyp is included.

As a separately sold option, a polyp can be attached to practice polyp resection and control of bleeding from it.

Features

- Specialized silicone rubber is used as the material, and inserting the endoscope feels like inserting it into an actual human body. The color inside is also close to that of the human body.
- Since the oral and nasal cavities have been reproduced, both transoral and transnasal insertion can be practiced.
- For the transnasal insertion, the difficulty setting of insertion can be changed by placing the nasal septum pieces to deviate to the right or the left side. The insertion technique and visibility can be changed.
- Practicing endoscopic examination of the esophagus, stomach, and duodenum is possible. It is also possible to practice cannulation of the papilla during endoscopic retrograde cholangiopancreatography (ERCP).
- Gastric ulcers and early gastric cancer can be observed in the stomach. Four types of polyps of Yamada classification types I to IV can also be attached for observation.
- As a separately sold option, a polyp can be attached to practice polyp resection and control of bleeding from it. After resecting it, one can practice the clipping method to stop the bleeding.
- An ulcer is reproduced in the duodenum.

Name of Each Part



Observational polyp LM-103B

Yamada classification
types I to IV



Use by fitting it into the attaching portion
for the simulated polyp.



Simulated Polyp (for polypectomy) (5 count)

Option

Store
refrigerated

5 count



Features

- Polyps can be resected with an electrical scalpel, and it will bleed.
- Techniques to stop bleeding using a clipping method are possible.
- The type of the polyp is Yamada classification type IV.

*The disposable return electrode is not included.
*Always store the simulated polyp (for polypectomy) in the refrigerator (2°C to 10°C, do not freeze).

Polyp (for polypectomy and hemostasis)



Colonoscopy (Lower GI Endoscopy) Simulator Type II

LM-107



The Colonoscopy Simulator is a training model for practicing colonoscopy insertion.

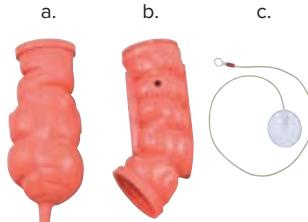
By attaching various optional parts, it allows training in endoscopic interventions, such as resecting a polyp and stopping bleeding, and insertion into the small intestine using a balloon enteroscope.

Features

- The simulator is made of special silicone rubber that feels like a living body in the observation field. The internal color also closely resembles that of the living body.
- Observation can be performed by attaching a simulated polyp (for observation) in the ascending and descending colons.
- LST (laterally spreading tumor) is reproduced in the ascending colon.
- By attaching the optional “simulated polyps (for polypectomy)”, training in the endoscopic treatment of polyps, such as snare resection and clipping hemostasis, can be carried out.

*Simulated polyps can be attached to the ascending and descending colons.

- By attaching the optional “small intestine”, training in enteroscopic insertion into the small intestine and the shortening technique can be accomplished using double balloon and single balloon endoscopes.



■ Specifications

Main model unit

Size	Approx. 33(L) × 46(W) × 21(H) cm
Weight	Approx. 2.9 kg

Holding board

Size	Approx. 27(L) × 44(W) × 9(H) cm
Weight	Approx. 1.4 kg

Case

Size	Approx. 40(L) × 53(W) × 35(H) cm
Weight	Approx. 5.0 kg

■ Components

Main unit	1
Rectum/sigmoid colon part	1
Descending colon part	1
Transverse colon part	1
Ascending colon part	1
Simulated polyps (for observation):	2 kinds
Conduction cable for Simulated Polyps (for polypectomy)	1
Polyp attachment band	1
Flange plate	1
Holding table	1
Simulated peritoneal membrane sheet	1
Screws for flange plate	1
Screws for transparent cover	1
Screw for transverse colon	1
Storage case	1

■ Spares

a. Ascending Colon for Colonoscopy

LM-107C

b. Descending Colon for Colonoscopy

LM-107D

c. Conduction cable for Simulated Polyps

LM-107E

Simulated Polyp (for polypectomy) (5 count)

Option

5 count

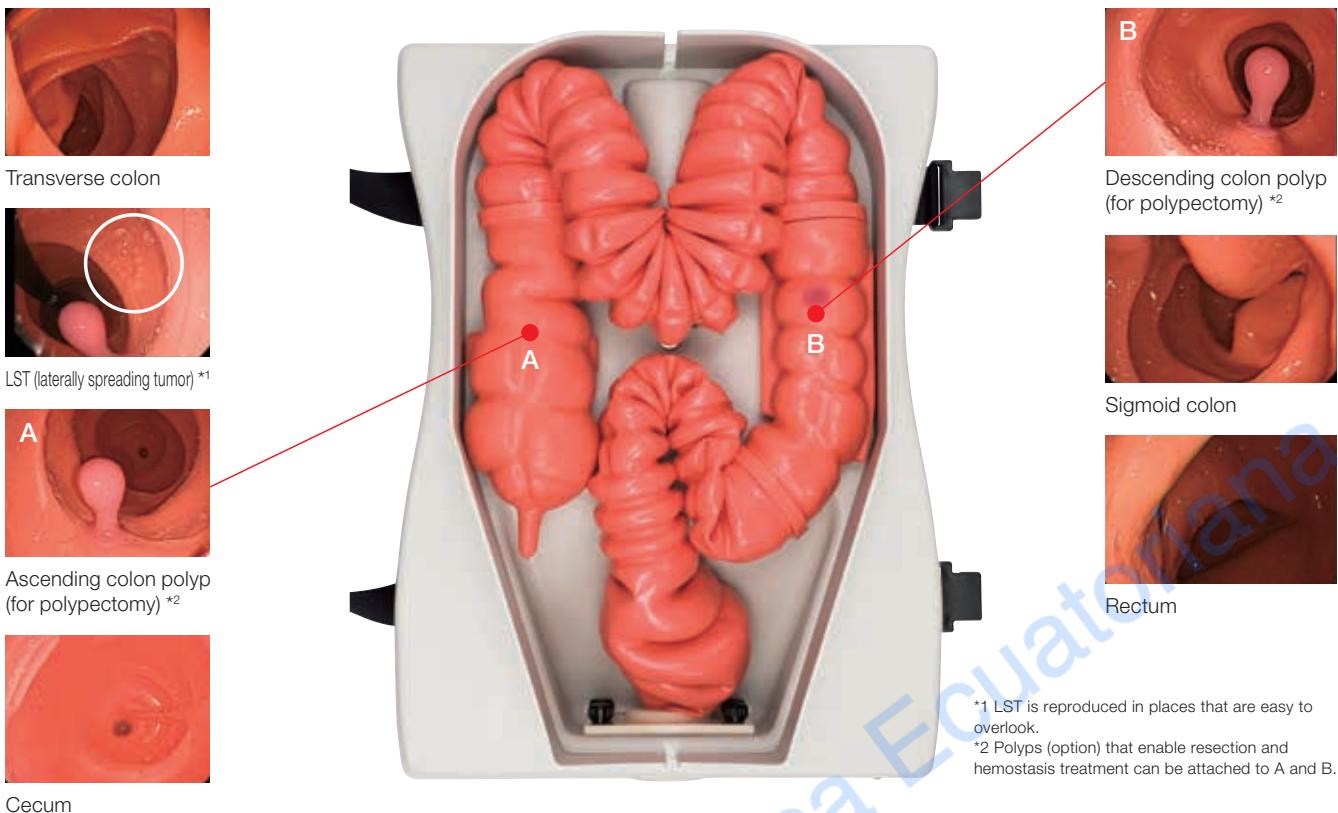
Store
refrigerated

For details,
please refer to the page 72.



LM-103A

Anatomical sites and lesions



Small intestine

Option



Small intestine for Colonoscopy (semi-difficult type)

LM-107A



Small intestine for Colonoscopy (easy type)

LM-107B

■ Components

Small Intestine for Colonoscopy (semi-difficult type) (LM-107A)

Small Intestine for Colonoscopy (φ 30)	1
Sponge for lubricant application	1
Intestinal sheet	1
DVD version of Instruction Manual	1

Small Intestine for Colonoscopy (easy type) (LM-107B)

Small Intestine for Colonoscopy (φ 32)	1
Sponge for lubricant application	1
Intestinal sheet	1
DVD version of Instruction Manual	1

When assembly is completed



Features

- Practical training for the double balloon method can be performed using a double balloon enteroscope.
- Practical training for the single balloon method can be performed using a single balloon enteroscope.
- Using each type of balloon enteroscopy, insertion into the large and small intestine and shortening technique can be performed.
- The small intestine has a total length of 120 cm and contains an internal scale with intervals of 30 cm to enable the user to confirm the length of insertion.

ESD (Endoscopic Submucosal Dissection) Training Model

*Made to order



LM-083

■ Specifications

Storage case

Size	Approx. 24(L) x 31.5(W) x 22.5 (H) cm
Weight	Approx. 2.5 kg

■ Components

Stomach model	1
Storage case	1
Metal fitting for dissected stomach	9
Lid	9
Fixing belt for metal fitting	2
Electrode	1

*Please prepare dissected porcine stomach separately.

This resinoid model represents almost similar figure of human stomach, and can be used for the training of ESD. Considering the operability of endoscope, the transition part, from esophagus to stomach is made of soft resin. By setting a real dissected stomach of porcine at the area where ESD is supposed to be executed, very similar feeling of human stomach wall can be recognized using endoscope.

Features

- The training can be started simply with the combination of this resinoid model and dissected porcine stomach.
- Very realistic and similar feeling to the actual treatment.
- Perforation procedure which never be performed during the actual treatment can be experienced while recognizing the risk of treatment with realistic feeling.

Practical Training

- Vestibular anterior wall
- Vestibular posterior wall
- Greater curvature at gastric angle
- Lesser curvature
- Greater curvature in the gastric body



Bronchoscopy Training Model



LM-092

■ Specifications

Bronchi main body

Size	Approx. 25(L) x 24(W) x 16(H) cm
------	----------------------------------

Storage case

Size	Approx. 30(L) x 32(W) x 27(H) cm
------	----------------------------------

Weight	Approx. 3.0 kg (including bronchus main body)
--------	--

■ Components

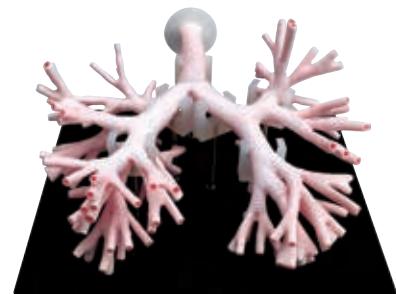
Bronchi main body	1
Stand	1
Storage case	1

This product can be used for insertion training of ultrafine bronchoscopy as well as existing bronchoscopy.

Features

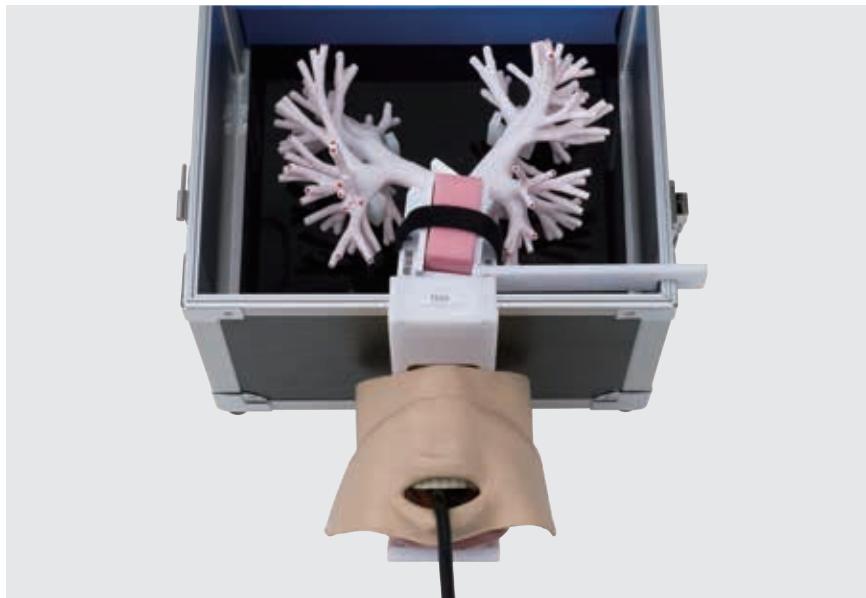
- Special fabrication methods allow recreation of ultrafine bronchoscopy that could not be done before. Most methods duplicate distal bronchus (e.g. B¹ai^α). Ultrafine bronchoscopy enables insertion all the way through the distal bronchus.
- The material is specialized silicone rubber. The sense of bronchoscopy insertion allows a feeling like human-like texture due to elasticity. In addition, the internal bronchial tube is a human-like color.
- The bronchi main body and the bronchi-support stand can be easily removed from the black case.
- 3D distal bronchus is attachable and washable after insert training.

*For bronchoscopic images of this model, please refer to the page 78.



Realistic reproduction of the anatomical structure of the bronchial branching pattern

Ultrasonic Bronchoscopy Simulator



LM-099

■ Specifications

Bronchus main body

Size	Approx. 25(L) × 24(W) × 16(H) cm
Weight	Approx. 0.2 kg

Storage case

Size	Approx. 32(L) × 46(W) × 27(H) cm
Weight	Approx. 3.6 kg

Head model

Size	Approx. 17(L) × 16(W) × 15(H) cm
Weight	Approx. 0.7 kg

Puncture site

Size	Approx. 3(L) × 6(W) × 4(H) cm
Weight	Approx. 0.1 kg

■ Components

Bronchi main body	1
Head model	1
Puncture site	1
Storage case (sponge case attached)	1

■ Spares

a. Puncture site (2 pcs)

LM-099A

b. Head model

LM-099B



a.

b.

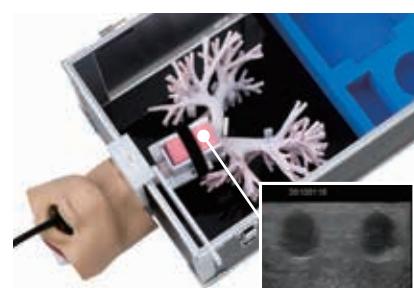


Image of lymph nodes

This model can be used not only for ultrathin bronchoscope insertion training, but also for endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) training.

Features

- Visualizing ultrasonic bronchoscopy images of lymph nodes embedded in the puncture site enables highly realistic definitive diagnosis of cancer metastases to the hilar and mediastinal lymph nodes, as well as practical training for puncturing the target lymph node. (a)
- The ultrathin structures of the bronchi in the bronchi main body were reproduced using a special manufacturing method, including the 5th order bronchi (e.g., B¹ai α). Ultrathin bronchoscopes can be inserted up to the 5th order bronchi.
- A head model is attached, enabling insertion of the ultrasonic bronchoscope from the oral cavity and confirmation of the bifurcation of the bronchi and esophagus. (b)

Practical Training

- Endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA) training
- External cylinder method training
- Ultrathin bronchoscopes insertion training up to the 5th order bronchi
- Confirmation of the bifurcation of the bronchi and esophagus

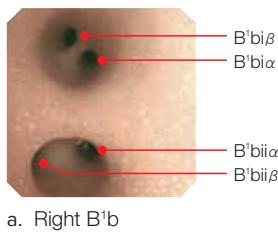
■ External cylinder method

This is such a method that as the external cylinder for puncture needle is pressed against the bronchial wall just before puncture, the tip of the external cylinder for the puncture needle is put into the recess between the cartilages to puncture by pushing the external cylinder together with a bronchoscope to forward and backward. This method is expected to improve the diagnostic yield by securely collecting tissues while avoiding puncturing cartilages.

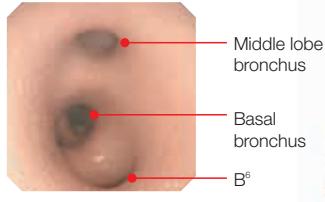
*Takeo Inoue, Noriaki Kurimoto, et al.

New Technique for Endobronchial Ultrasound-guided Transbronchial Needle Aspiration to Improve Diagnostic Yield
J Bronchol Intervent Pulmonol 2013; 20: 28-32

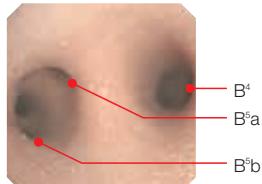
Bronchoscopy Images



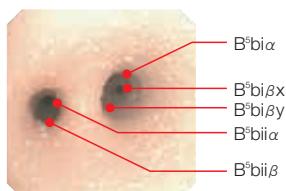
a. Right B'1b



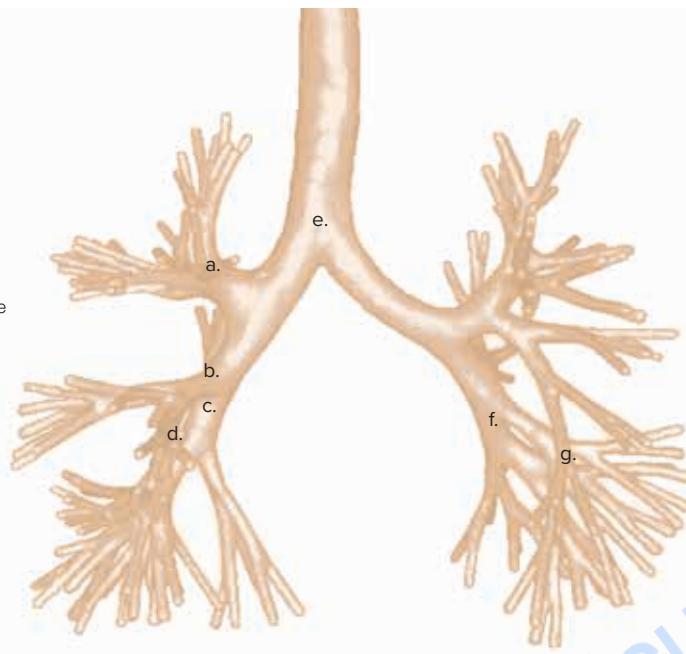
b. Intermediate bronchus



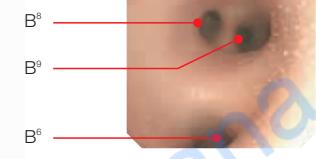
c. Right middle lobe bronchus



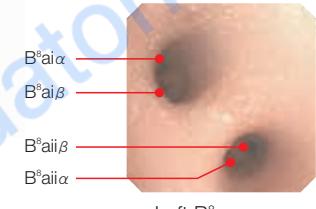
d. Right B6b



e. Bifurcation of trachea



f. Left inferior lobe bronchus



g. Left B8a

Relationship between bronchi and order

Primary bronchus ————— 0th order

Intermediate bronchus ————— 0th to 1st order

Lobar bronchi (superior lobe, middle lobe, inferior lobe) ————— 1st order

Superior segmental bronchus, lingular bronchus, basal bronchus ————— 1st to 2nd order

Segmental bronchi ————— 2nd order ————— B¹

Subsegmental bronchi ————— 3rd order ————— B¹a · B¹b

Sub-subsegmental bronchi ————— 4th order ————— B¹ai · B¹aii

5th order ————— B¹aiα · B¹aiβ

Transparent Nasal Cavity Model / Transparent Auricle Model

*Made to order

*Made to order



■ Specifications

Transparent Nasal Cavity Model

Size	Approx. 10.5(L) x 9(W) x 9(H) cm
Weight	Approx. 600 g

Transparent Auricle Model

Size	Approx. 3.8(L) x 6(W) x 7.8(H) cm
Weight	Approx. 130 g

Transparent Nasal Cavity Model

LM-005

Complicated nasal cavity structure is demonstrated. This model can be divided into right and left by nasal septum.

Transparent Auricle Model

LM-002L (Left) / LM-002R (Right)

Transparent 3-D construction makes it easy to understand the structure from auricle to drum.

Sociedad Radiotécnica Ecuatoriana

Transparent Laryngopharynx Model

*Made to order



LM-104

■ Specifications

Bronchi main body

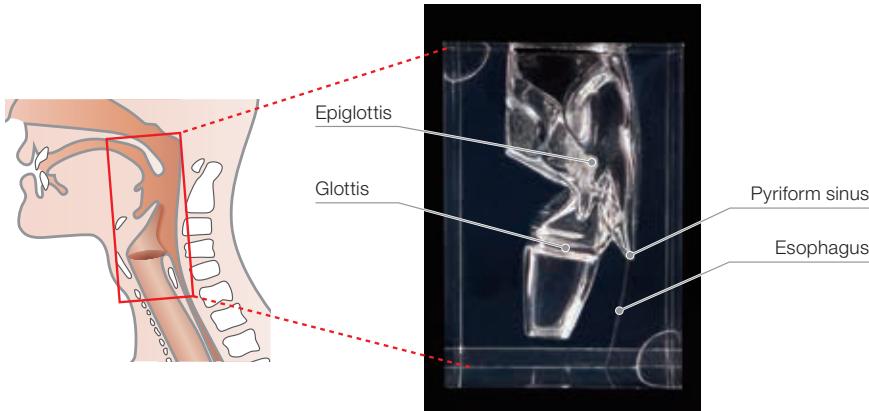
Size	Approx. 9(L) x 11(W) x 13(H) cm
Weight	Approx. 1.1 kg

This is a transparent model that reproduces the laryngopharynx three-dimensionally, from the oropharynx to the hypopharynx. It is useful in explanations to help people understand the complex structure of the laryngopharynx, and can be used as a model when training personnel involved in swallowing therapy or when giving explanation to patients or their families.

Features

- The model can be split on the midline.
- The epiglottis, pyriform sinus, and glottis are faithfully reproduced, and the depth of the pyriform sinus and laryngeal vestibule can be understood.
- The complex 3-dimensional structure of the laryngopharynx can be intuitively grasped through visualization. The flow of food from the outside can also be seen. (Actual liquids can be used.)
- The importance of food preparation and eating posture can be taught with an understanding of the 3-dimensional structure of the laryngopharynx. The difficulty of coughing up food that has been accidentally ingested can also be understood.
- When teaching videoendoscopic examination of swallowing, the location that is being viewed can be understood by visually comparing endoscopic images and the model.
- The state of occlusion in the esophagus can be expressed with a line to help create a mental image.

Name of each part



Splits in two on midline



Introduce fluid to see flow of food and amounts of fluid retained



Understand complex structures through touch

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