

Vaginal Examination Model-Vulva II

LM-101F

Instruction Manual

Thank you for purchasing the Vaginal Examination Model-Vulva II.
Please read this instruction manual carefully to ensure correct use of the product,
and store it in a safe place for easy access.

Manufacturer:
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Handling and Safety Precautions

These precautions should be strictly observed in order to ensure safe, long-term use of the product.

The following precautions should be observed particularly strictly:

1. These models are made with a special material to simulate the texture of human skin. Please handle these models with the same care that you would exercise when working with a human body. Pulling the models with excessive force or subjecting them to a strong impact, such as dropping them, may cause damage.
2. The material of the models has a distinct odor, which fades with time. This odor is not harmful to the human body and does not indicate poor quality. There may also be a smell of baby powder remaining on the product, as baby powder is applied to the models during fabrication.
3. Wear disposable gloves when using the models.
4. Use glycerin to lubricate the models. Be sure to apply a sufficient amount of lubricant (glycerin) to the model before use. Koken is not responsible for deterioration or damage occurring from use of lubricants other than glycerin. Use commercially available glycerin if you run out of the glycerin provided with the model.
5. Please do not use oily lubricant (baby oil, olive oil etc.), alcohol lubricant, and lubricant containing organic solvent. These may cause breakage of the model.
6. In caring for the model, do not use rubbing alcohol, thinners, or benzine or other organic solvents on the model, as doing so may cause damage.
7. Do not use oil-based inks, pencil, chalk, or paints on the model as they will soak into the material and cannot be removed.
8. Placing objects directly on top of the models or placing them on uneven surfaces may cause deformation.
9. After washing the models, or if the surface of the models becomes sticky following use, apply baby powder all over the models to reduce friction.
10. The models may lose their shape after a long time. Check the shape of the model about 3 years after purchase. If a model is deformed to the extent that its functioning is affected, consider replacing it.
11. Air bubbles or impressions in the models that may remain from the fabrication process do not affect the strength of the material, as the material used is highly tear-resistant.
12. Use a 14 Fr gauge or smaller urinary catheter. Be sure to apply lubricant (glycerin) before use.



Handling and Safety Precautions

These precautions should be strictly observed in order to ensure safe, long-term use of the product.

Caring for the model after use

1. To clean smudges or marks on the model, wipe with a moist cloth, gauze or similar material using water or a neutral solvent diluted with water. Wipe off all the remaining water to prevent the metal parts from rusting. If the metal parts become rusted to the extent that their functioning is affected, consider replacing them. After wiping off the smudges or marks, apply baby powder all over the models. (Do not clean the model with rubbing alcohol, thinners, benzene or other organic solvents.)
2. Storing the models for an extended time in a high or low temperature environment may cause deformation. Exposure to direct sunlight or UV rays may also cause the material to deteriorate or alter its shape or color. Store the models in a 0-50° C environment, in a place where they will not be exposed to direct sunlight or UV rays.
3. Oil may leak from the models. When storing them, wrap them in paper towel, gauze or another cloth, and place them in the re-sealable plastic bag that comes with the kit.
4. The uterus dilation models and fully dilated model can be washed normally. After washing, wipe off all the remaining water with a soft, dry gauze or cloth.

1. The contents of this instruction manual are subject to change without notice.
2. This instruction manual may not be reproduced in part or in its entirety without permission.
3. Please contact the manufacturer in the event that any errors or omissions are found in the contents of this instruction manual.
4. This product should be used only as described in this instruction manual. In particular, the product should not be used in any way that contravenes the precautions noted in the instruction manual.

Table of Contents

1. Outline and Features

2. Components and Configuration

3. Handling the Model

3-1. Setting and lubricating (with glycerin) the Vaginal Examination Model-Vulva II

3-2. Setting the 1-2 cm and 3-4 cm uterus dilation models for the Virtual Reality Vaginal Exam Model

3-3. Setting the 8-9 cm uterus dilation model and fully dilated model for the Virtual Reality Vaginal Exam Model

3-4. Setting the 1-2 cm and 3-4 cm uterus dilation models in place on the old vaginal examination model

3-5. Setting the 8-9 cm uterus dilation model and fetal head model in place on the old vaginal examination model

3-6. Setting the uterus dilation model fixing plate to the Vaginal Examination Model-Vulva II

3-7. Caring for the model after use

4. Model Configuration Chart

5. Specifications

1. Outline and Features

Outline

This model is made with a new material that stretches well and is tear-resistant, for more durability than the previous model and better simulation of the texture of human skin. It attaches to the following products.

Product name	Product No.
Midwifery Practice Model Set (Obstetric Model-Vulva II)	LM-101A
Obstetric Assistant Model Set (Obstetric Model-Vulva II)	LM-101B
Full-Body Pregnancy Simulator (Obstetric Model-Vulva II)	LM-101C
Midwifery Practice Model Set	LM-063A
Obstetric Assistant Model Set	LM-063B
Full-Body Pregnancy Simulator	LM-064
Midwifery Practice Model-Main Body	LM-0637

Features

1. Bishop scores from the late stage of pregnancy to the onset of labor (cervical dilation, effacement, consistency and position) can be confirmed.
2. Made with a material that is more tear-resistant than the previous model, increasing its durability.
3. The mucous membrane of the vaginal cavity is made with a new material that simulates the texture of the human vaginal cavity.
4. The vaginal walls give a sensation of clinging to the fingers.
5. The excess constriction on the fingers felt when using the previous model has been reduced to enable practice with a feeling that closer simulates that of the human body.
6. Gives a more realistic feel of the ischial spines and pubic symphysis during vaginal examination. (When used on the main body.)
7. Three models with varying degrees of uterine opening dilation are provided, along with a model of the fetal head. These can be interchanged and the degree of engagement can be adjusted, making it possible to gauge the progression of labor by means of vaginal examination.
8. The fetal head model can be used to gauge rotation of the fetal head by varying positions of the sagittal sutures and posterior fontanel.
9. The vulva has a urethral orifice for inserting a urinary catheter.

*2-6 are comparisons with previous Koken models.

2. Components and Configuration

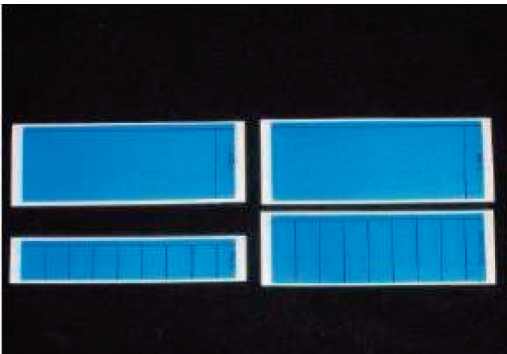
Vaginal Examination Model-Vulva II



Fixing screws (2)



Uterus dilation model seals (4)



3. Handling the Model

3-1. Setting and lubricating (with glycerin) the Vaginal Examination Model-Vulva II

- 1) Prepare the Vaginal Examination Model-Vulva II, fixing screws (2), and midwifery practice model main body (or full body pregnancy simulator full-body manikin).



- 2) Set the Vaginal Examination Model-Vulva II on the midwifery practice model main body or full body pregnancy simulator full-body manikin, and fix it in place with the 2 fixing screws (rotate the screws with a flat head screwdriver).



- 3) Attachment is complete.



*Air bubbles or impressions in the model that may remain from the fabrication process do not affect the strength of the material, as the material used is highly tear-resistant.

4) Using fingers, apply a generous amount of glycerin to the vaginal walls, vaginal cavity and urethral orifice of the Vaginal Examination Model-Vulva II, and to the uterine opening of the uterus dilation model that will be inserted.

* Not applying enough glycerin may result in damage to the model. Be sure to apply a generous amount.

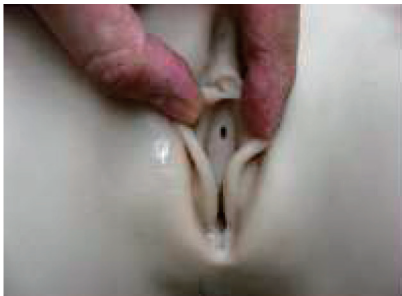
Vaginal walls



Vaginal cavity



Urethral orifice



Uterus dilation model

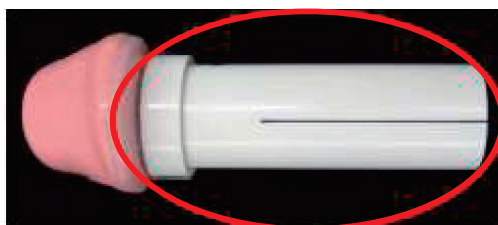


3-2. Setting the 1-2 cm and 3-4 cm uterus dilation models for the Virtual Reality

Vaginal Exam Model

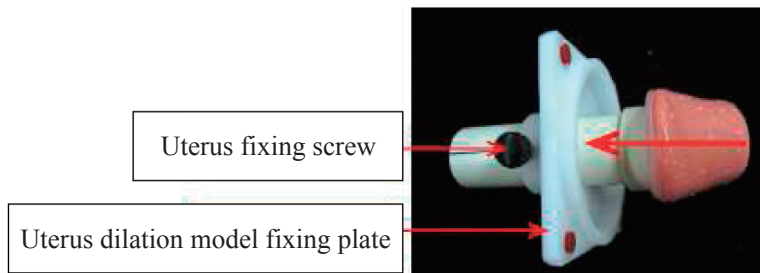
*Follow these setting instructions if you are using a Uterus Dilation Model set (LM-101G) or a Virtual Reality Vaginal Exam Model (LM-095).

*If you have the uterus dilation models for the old type of vaginal examination model, see "3-4 Setting the 1-2 cm and 3-4 cm uterus dilation models in place on the old vaginal examination model (P9)"

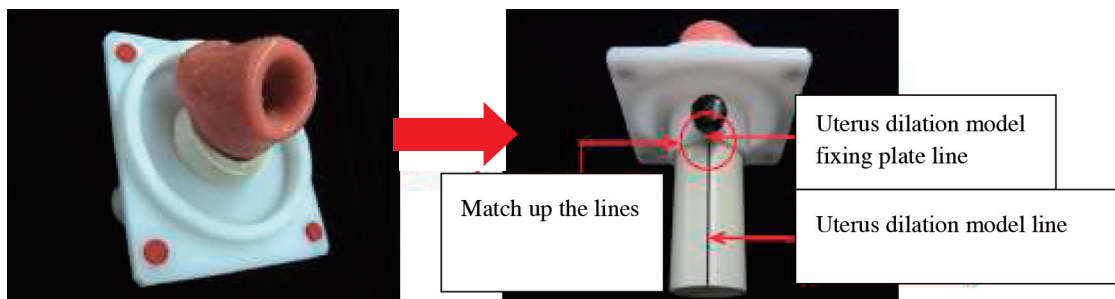


Model with a white pipe section

- 1) Loosen the uterus fixing screw and insert the uterus dilation model from the direction indicated by the arrow until the model comes in contact with the uterus dilation model fixing plate.



- 2) Once the uterus dilation model has been inserted until it contacts the uterus dilation model fixing plate, align the line on the uterus dilation model with the line on the uterus dilation model fixing plate, then tighten the uterus fixing screw to secure the model in place.



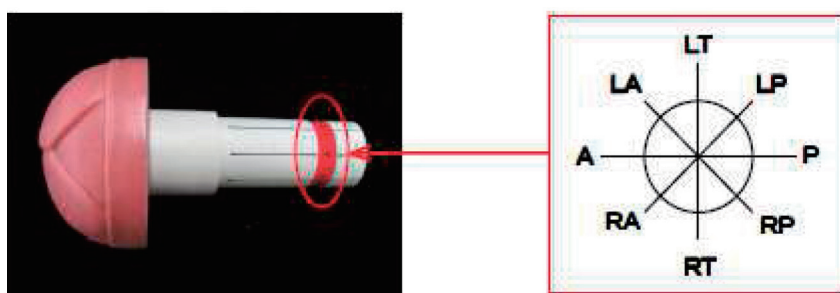
*The securing position of the uterus is for reference only. The actual position for securing the model in place can be adjusted.

*Before removing the uterus dilation model from the uterus dilation model fixing plate, ensure that the uterus fixing screw is loosened.

3-3. Setting the 8-9 cm uterus dilation model and fully dilated model for the Virtual Reality Vaginal Exam Model

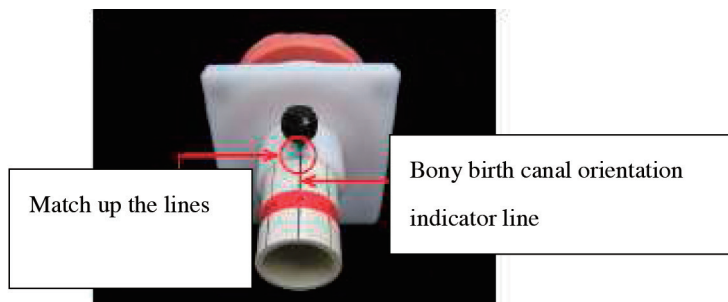
*If you have the uterus dilation models of the old type of vaginal examination model, see "3-5 Setting the 8-9 cm uterus dilation model and fetal head model in place on the old vaginal examination model (p.11)"

- 1) These models are set in place in the same way as the 1-2 cm and 3-4 cm uterus dilation models, but have to be aligned with the orientation indicators in the bony birth canal.



Orientation indicators in the bony birth canal

- 2) Line up the line on the uterus dilation model fixing plate with the orientation indicator line inside the bony birth canal to determine the position at which the uterus will be set.



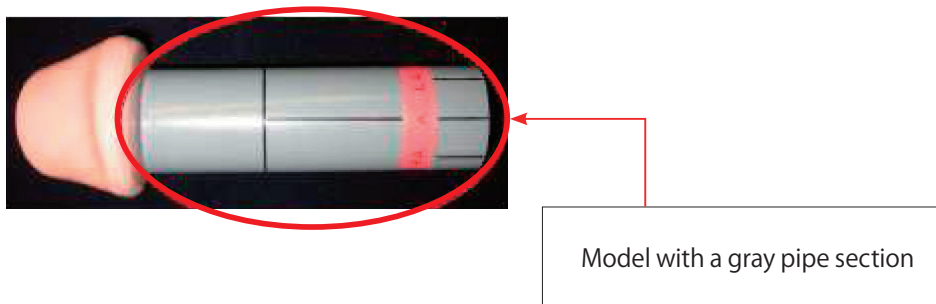
*The securing position of the uterus is for reference only. The actual position for securing the model in place can be adjusted.

*Before removing the uterus dilation model from the uterus dilation model fixing plate, ensure that the uterus fixing screw is loosened.

3-4. Setting the 1-2 cm and 3-4 cm uterus dilation models in place on the old vaginal examination model

*Follow these setting instructions if you are using the uterus dilation models of the following products.

- Full-body pregnancy simulator (LM-064)
- Full-body pregnancy simulator (Obstetric Model-Vulva II) (LM-101C)
- Midwifery practice model set (LM-063A)
- Midwifery practice model set (Obstetric Model-Vulva II) (LM-101A)
- Vaginal examination model-vulva (LM-0631)

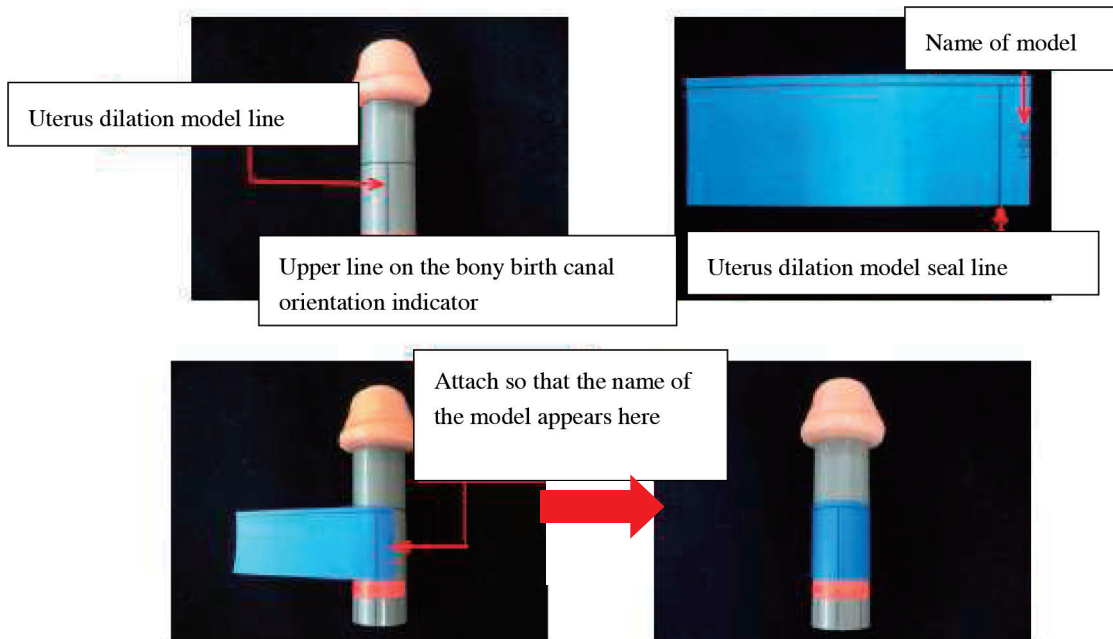


Preparation:

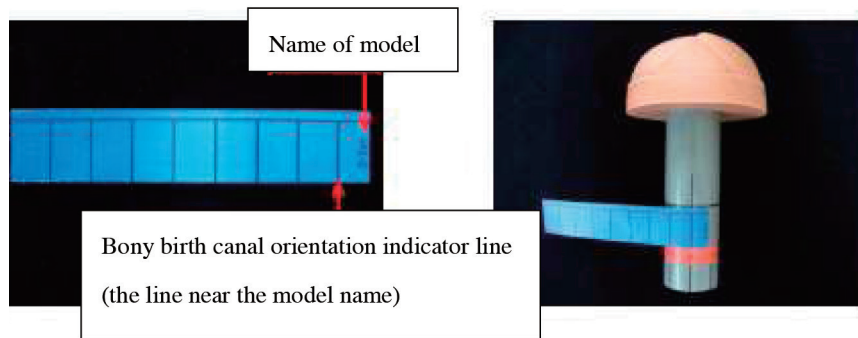
Before use, attach a uterus dilation model seal to the uterus dilation model following the instructions below. The name of the model is written on each seal. Attach the seal to its respective uterus dilation model.

• Attaching the seal to the 1-2 cm and 3-4 cm uterus dilation model

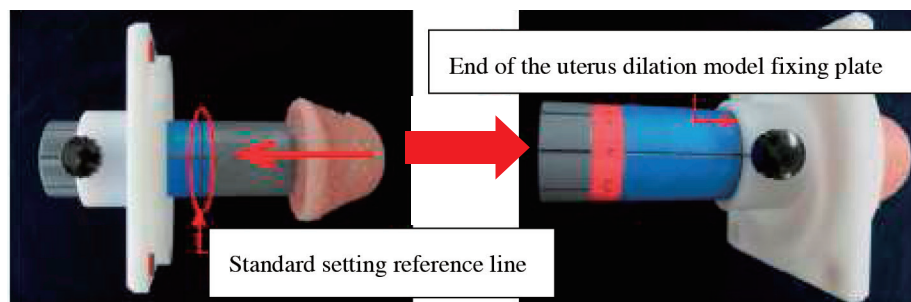
Match up the line on the uterus dilation model with the line on the uterus dilation model seal, and the upper line on the bony birth canal orientation indicator with the lower edge of the uterus dilation model seal, and wrap the seal around the pipe.



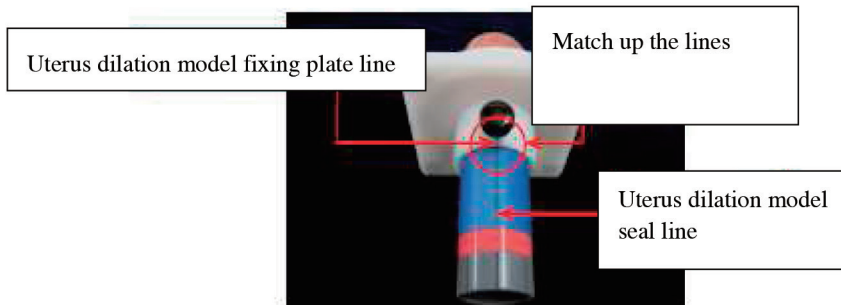
- Attaching the seal to the 8-9 cm uterus dilation model and fetal head model
Match up the uterus dilation model line with the bony birth canal orientation indicator line (the line near the model name), and the upper line on the bony birth canal orientation indicator with the lower edge of the uterus dilation model seal, and wrap the seal around the pipe.



- 1) Loosen the uterus fixing screw and insert the uterus dilation model from the direction indicated by the arrow so that the end of the uterus dilation model fixing plate and the standard setting reference line of the uterus dilation model seal attached to the uterus dilation model line up.



- Match up the uterus dilation model fixing plate line with the uterus dilation model seal line and tighten the uterus fixing screw to secure the model in place.

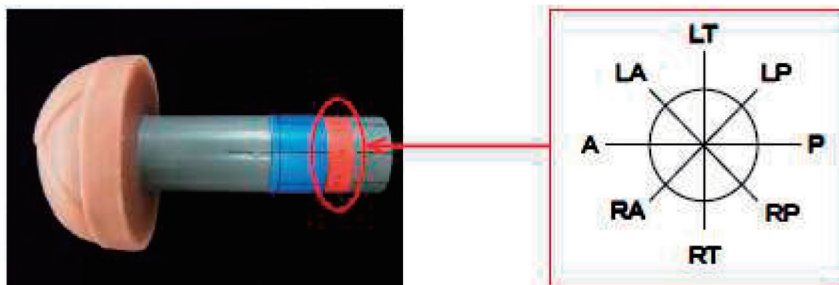


*The securing position of the uterus is for reference only. The actual position for securing the model in place can be adjusted.

*Before removing the uterus dilation model from the uterus dilation model fixing plate, ensure that the uterus fixing screw is loosened.

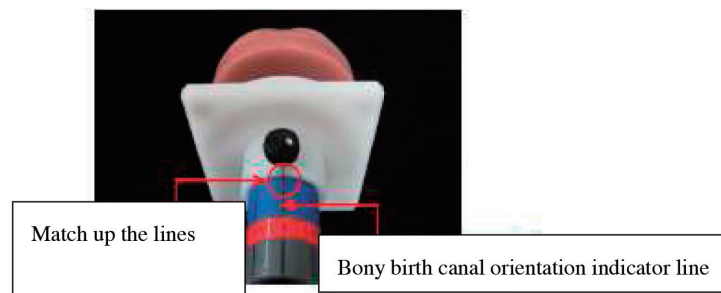
3-5. Setting the 8-9 cm uterus dilation model and fetal head model in place on the old vaginal examination model

- These models are set in place in the same way as the 1-2 cm and 3-4 cm uterus dilation models, but have to be aligned with the orientation indicators in the bony birth canal.



Orientation indicators in the bony birth canal

- Line up the line on the uterus dilation model fixing plate with the orientation indicator line inside the bony birth canal to determine the position at which the uterus will be set.



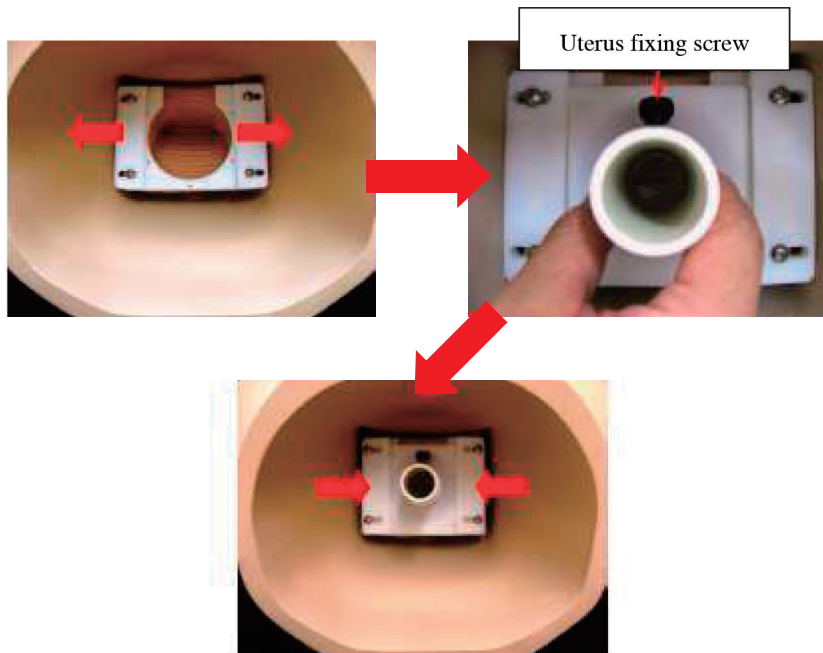
*The securing position of the uterus is for reference only. The actual position for securing the model in place can be adjusted.

*Before removing the uterus dilation model from the uterus dilation model fixing plate, ensure that the uterus fixing screw is loosened.

3-6. Setting the uterus dilation model fixing plate to the Vaginal Examination

Model-Vulva II

- 1) Open the doors on both sides of the Vaginal Examination Model-Vulva II and set the uterus dilation model fixing plate in place with the uterus dilation model secured to it so that the uterus fixing screw faces the top. After setting it in place, close the doors to secure it in place. (Use the same procedure for the fully dilated model.)



3-7. Caring for the model after use

- 1) Soak a soft cloth or gauze in water or a neutral solvent diluted with water and use it to wipe off the lubricant (glycerin) applied for practice and any dirt or smudges. The uterus dilation models and fully dilated model can be washed normally. After washing, wipe off all the remaining water with a soft, dry gauze or cloth.

*Do not clean with rubbing alcohol.

*When washing the model, do not dig your nails into the surface or apply a strong force. Damage may result.



2) After wiping off all remaining lubricant (glycerin), dirt, smudges and water, apply baby powder all over the model.

*Water remaining on the model after washing may cause mold to develop or rusting of the metal parts. Make sure to wipe off the water well.



3) Wrap the model in commercial paper towel or gauze or another cloth and place it in the re-sealable plastic bag that comes with the kit.



*Storing the models for an extended time in a high or low temperature environment may cause deformation. Exposure to direct sunlight or ultraviolet rays may also cause the material to deteriorate or alter its shape or color.

Store the models in a 0-50° C environment, in a place where they will not be exposed to direct sunlight or ultraviolet rays.

4. Model Configuration Chart

Product name	Quantity
Vaginal Examination Model-Vulva II	1
Fixing screws	2
Uterus dilation model seals	1 set
Instruction Manual (this document)	1

Optional items

Product name	Product No.
Uterus Dilation Model set (4types)	LM-101G
Full-body manikin	LM-0641
Midwifery Practice Model Main Body	LM-0637

5. Specifications

Product name	Length	Width	Height	Weight
Vaginal Examination Model-Vulva II	Approx. 19 cm	Approx. 17 cm	Approx. 15 cm	Approx. 2 kg