

ESD (ENDOSCOPIC SUBMUCOSAL DISSECTION) TRAINING MODEL

with storage case

LM-083

Instruction Manual

Thank you very much for purchasing our ESD Training Model.
Please carefully read this instruction manual for a proper use and
keep this instruction manual at hand.

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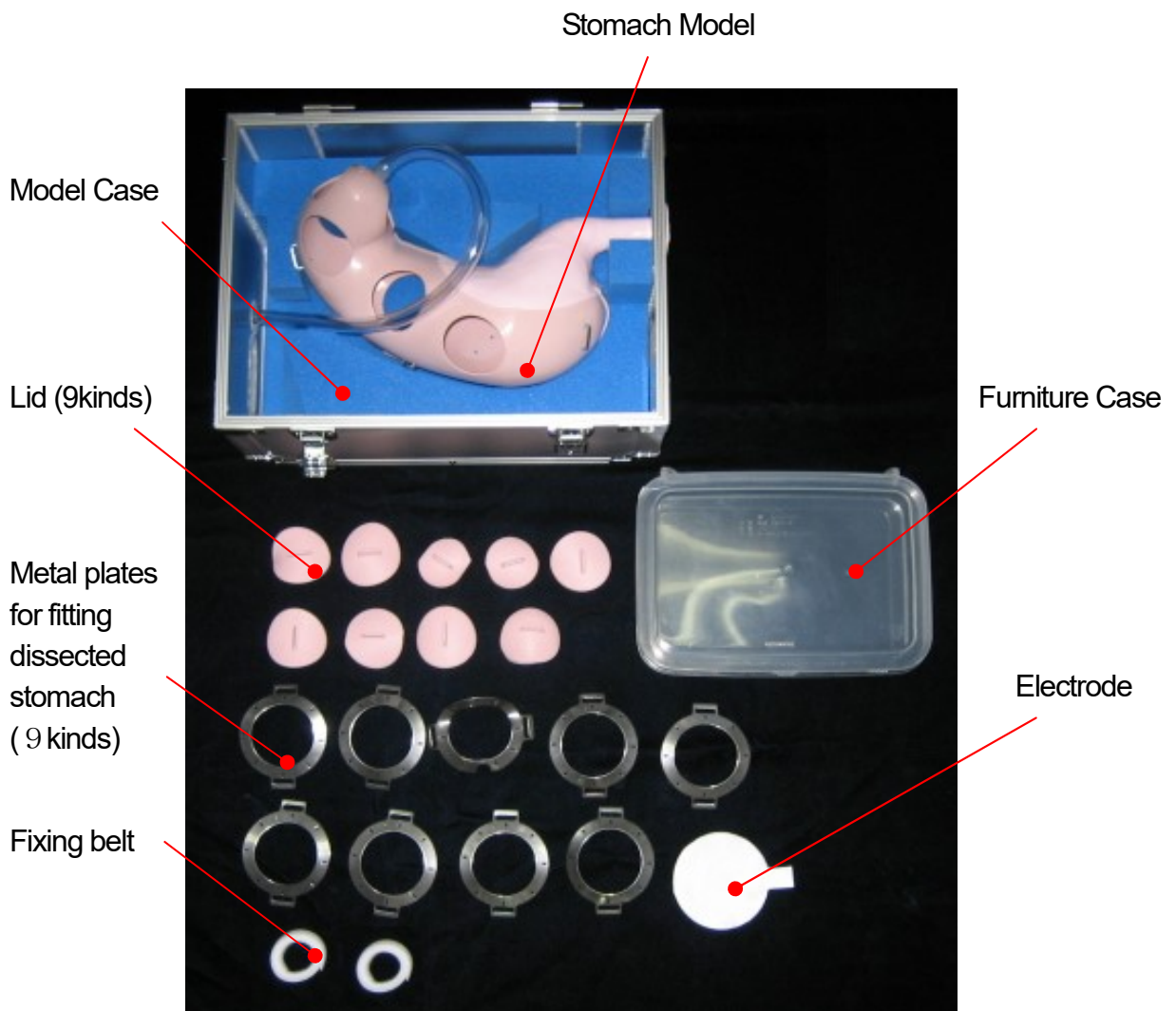
1. Outline

This resinoid model represent 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.

2. Characteristics

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

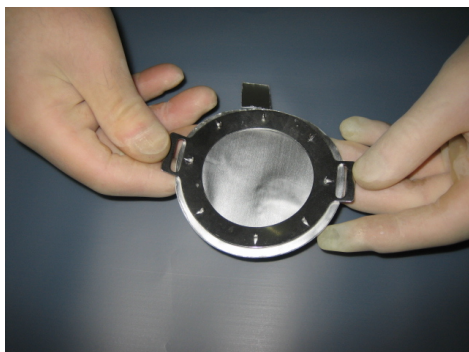
3. Name of part and structure



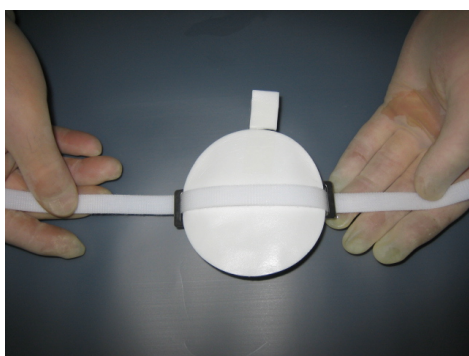
4. How to Fix Dissected Stomach

Caution: Since plate for fixation have sharp-edged part, please pay your attention not to be stuck fingers.

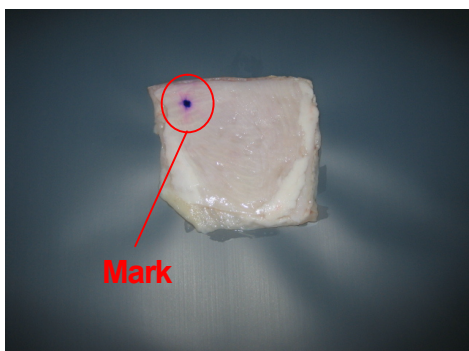
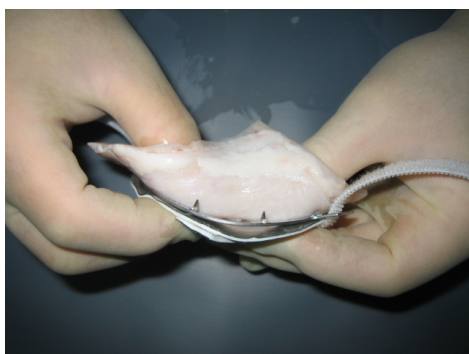
4-1. Stick the electrode on a metal plate for fitting dissected stomach.



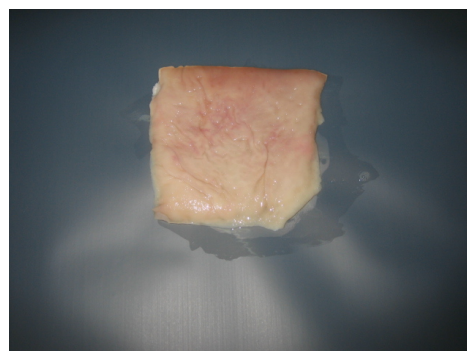
4-2. Get out the fixing band through the metal plate for fitting dissected stomach.



4-3. Put the front side (marked) of the dissected stomach on the metal plate for fitting dissected stomach. * Please make sure the electrode adheres to the dissected stomach.



Front side (marked)



Back side (mucous membrane)

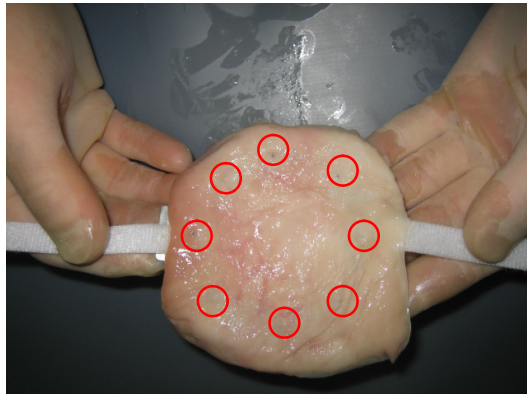
4-4. In order to fix the dissected stomach with the metal plate for fitting dissected stomach, push it against the needle of the metal fitting plate. Using the hollow of the injection needle case.



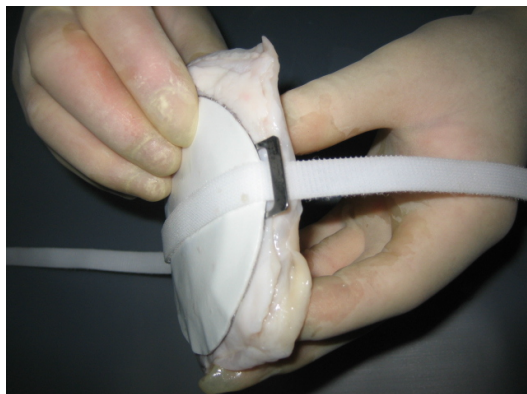
Pull the dissected stomach and fix the dissected stomach with the metal fitting plate to the needle on the diagonal line in the same manner as above.



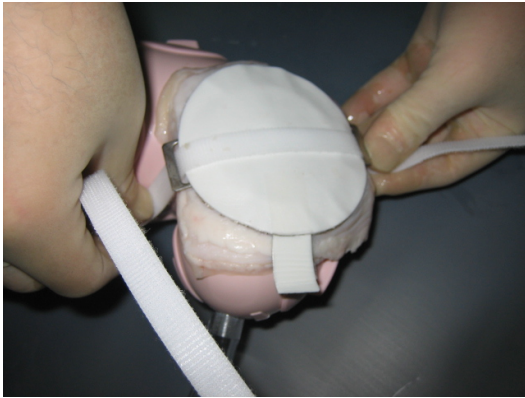
There are eight needles in total. Fix them all.



Make sure that the dissected stomach adheres to the metal plates for fitting dissected stomach.



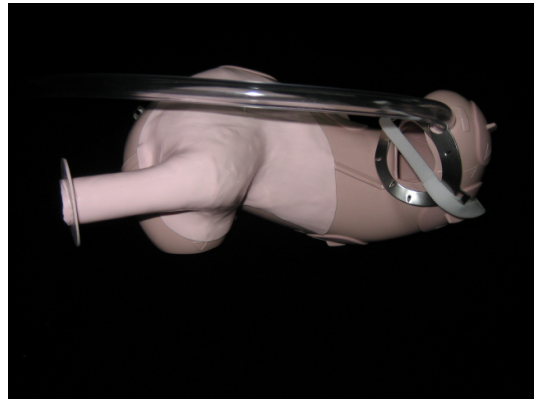
4-5. Put the metal plate fitting the dissected stomach of 4-4. with the stomach model, using the fixing belt.



How to fix the belt



In case of No.1 through 2, and 5 through 8



In case of No.3

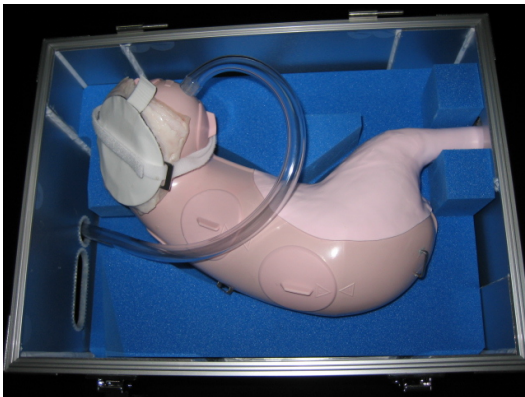
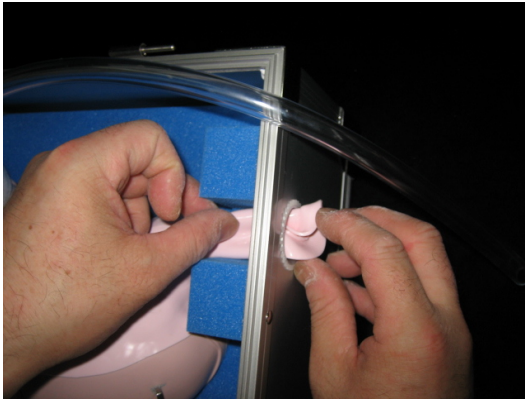


In case of No.4



In case of No.9

4-6. Install the stomach model with the model case.



5. Precaution for Use

When you insert the endoscope, please be sure to use lubricant such as silicone spray and glycerin etc.

6. How to Clean up

- Please wipe the inside of case with a wet cloth.
- When you wash the stomach model, please take it out and wash it with a neutral detergent. Please dry it enough after washing.
- Please wash the metal fittings for dissected stomach in the same manner as the stomach model. Be careful not to stick your finger etc. with the needle when you wash them.

7. Specifications

Model case (aluminum-made)	1 unit
Stomach model (silicone rubber, polyurethane resin)	1 unit
Metal plates for fitting dissected stomach (stainless steel)	1 pc for each kind (9 pcs)
Fixing belt (1cm width x 50cm length, both-sided Velcro)	2 pcs
Circle-cutting electrode	1 pc
Instruction manual	1 copy
DVD for installation method of resected porcine stomach	1 copy

Storage case	240 (L) x 315 (W) x 225 (H) mm
Weight	2.5 kg

KOKEN CO.,LTD <http://www.kokenmpc.co.jp>

1-4-14 Koraku, Bunkyo-ku, Tokyo 112-0004 JAPAN

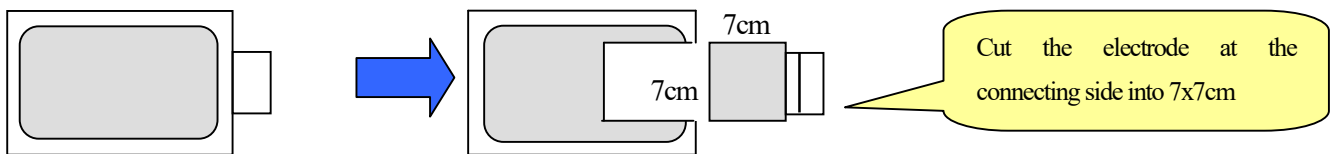
Email: customer@kokenmpc.co.jp

Electrode used for ESD Training Model

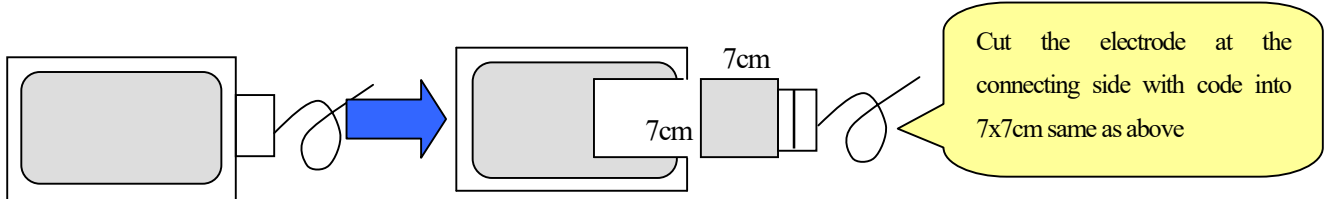
One (1) pc of exclusive electrode for ESD Training Model (applicable for electrode code with clip (P code)) is attached with the model but this electrode is not sold separately. Please use the electrode currently used at your site by processing for ESD Training Model. However reusable type electrode cannot be used since it does not fit with the opening shape of training model. Please use disposable type without fail.

Processing Example

① Mono-polar type without code (Ex.: 1149 manufactured by 3M)

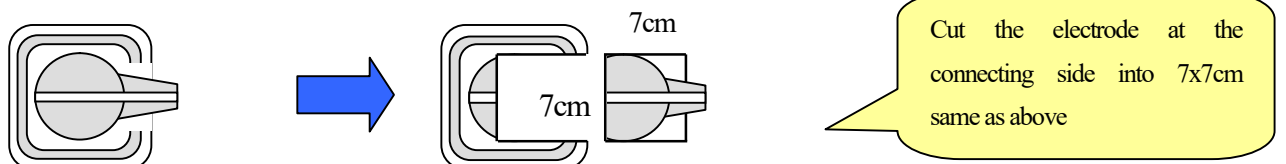


② Mono-polar type with code (Ex.: 1149C manufactured by 3M, CONMED made, etc.)



* ③ Partible type without code

(Ex: NESSYΩ manufactured by ERBE, MAJ-897 manufactured by Olympus, etc.)



***Basically “Partible type” is not recommendable since the electricity may not be turn on stably.**

(There will be some possibility of error sound). It is desirable to use “mono-polar type” but if you need to use “Partible type”, it may be used by holding gauze soaked with saline solution between porcine slice and an electrode.