

Caution:

Don't mark on the phantom with pen or leave printed materials contacted on its surface.
Ink marks on the phantom will be irremovable.

PH-49

CT Colonography Phantom NCCS

Instruction Manual

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● Before use

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● Preparation

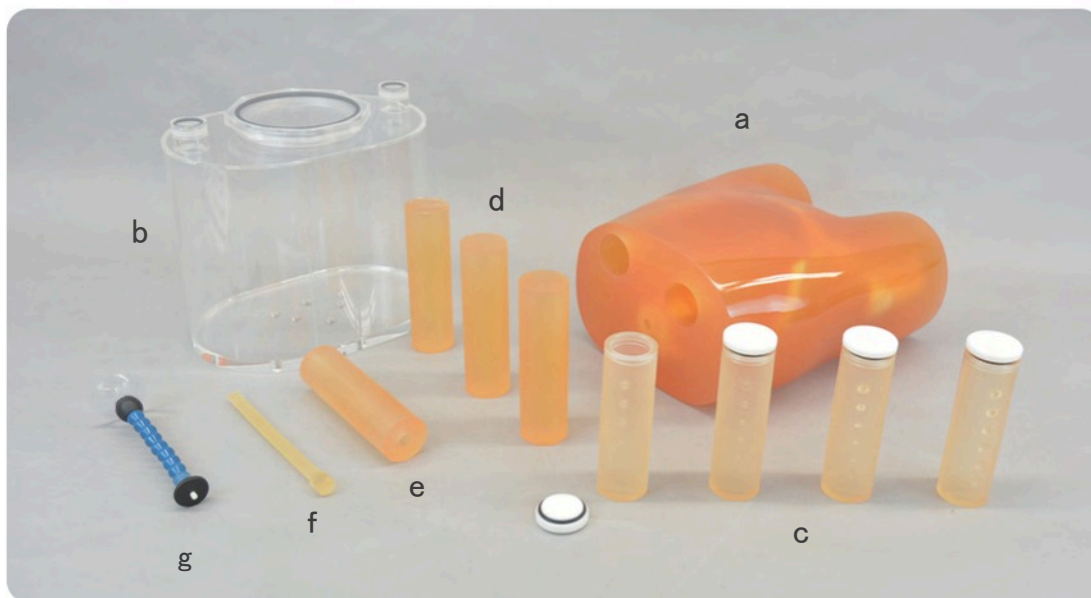
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Set includes

Before first use, please ensure all components listed below are included in the unit.



a	Lower torso phantom	1	f	Plug for ion chamber hole	1
b	Acrylic container	1	g	Holder for colon unit Base	1
c	Colon unit (4 types)	4			
d	Plugs for colon unit hole	3			
e	Plug with ion chamber hole	1			

Cautions

Handle with care

The phantom is made of breakable plastic. Handle it with utmost at most care to avoid breakage.
Do not drop or give shock to the phantom. Do not leave organic solvent in contact with the phantom.

Use water or mild detergent for cleaning.

To clean the phantom, wipe its surface with soft cloth moistened with water or mild detergent. Never apply thinner or other organic solvent to the phantom.

Store avoiding high temperature and humidity.

To prevent deformation or breakage of the phantom, store the components avoiding direct sunlight, high temperature and high humidity.

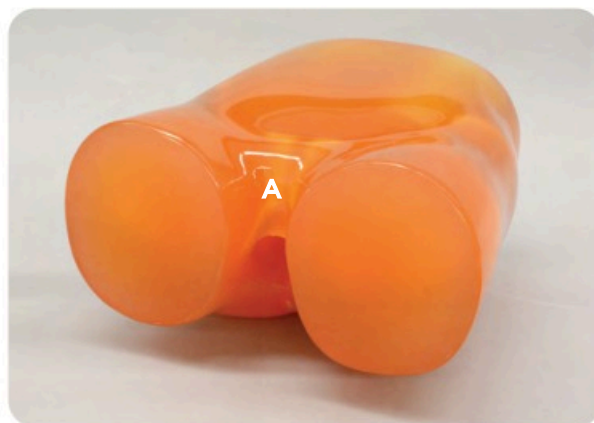
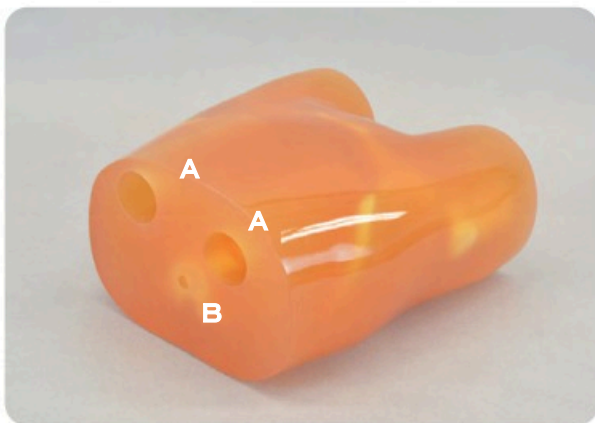
Do not mark on the phantom with a pen.

Do not mark on the phantom with a pen. Ink on the phantom will become irremovable.

Specification

Lower torso phantom (with spine, pelvis and femurs)

A: Holes for colon unit B: Hole for ion chamber



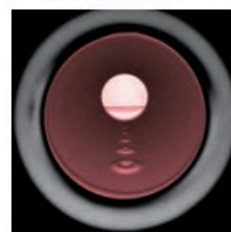
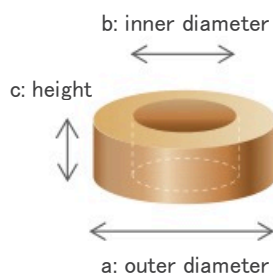
Colon units (4 types)

4 types of colon units are provided with different shape and size.

● Depressed type (2 variations)



inner diameter 40mm



Virtual Endoscope View

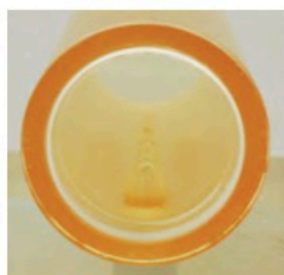
(Unit: mm)

Depressed type Diameter is constant			
a: outer diameter	b: inner diameter	c: height	
7	3.5	1	
7	3.5	1.5	
7	3.5	2	
7	3.5	0.5	
7	3.5	0.25	
7	3.5	0.15	

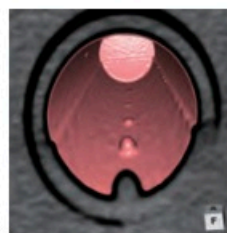
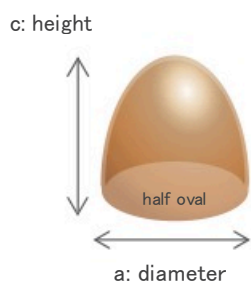
(Unit: mm)

Depressed type Height is constant			
a: outer diameter	b: inner diameter	c: height	
10	5	1	
7	3.5	1	
5	2.5	1	
3	1.5	1	
2	1	1	
1	0.5	1	

● Projection type (2 variations)



inner diameter 40mm



Virtual Endoscope View

(Unit: mm)

Projection type Diameter is constant		
a: diameter	c: height	
10	7	
10	5	
10	3	
10	2	
10	1	
10	0.5	

(Unit: mm)

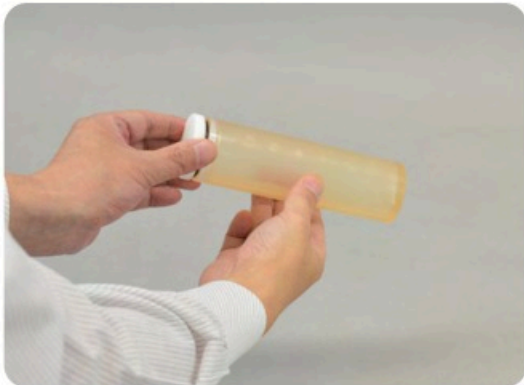
Projection type Diameter and height is variable		
a: diameter	c: height	
10	10	
7	7	
5	5	
3	3	
2	2	
1	1	

1 Set up (lower torso phantom)

1. Remove the cover of colon unit to put in the contrast agent a little, and cover again.



2. Tilt and rotate the colon unit slowly to coat the contrast agent throughout the inside of colon unit. Open colon unit again to drain the contrast agent.



3. After covering colon unit, insert it to the hole where you need image. If you need another colon unit for image, repeat 1–2 process to prepare, and insert it to the hole.



1 Set up (lower torso body)

4. Insert the plug to the hole where you don't need image or dosimetry.



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When you insert the ion chamber to the colon, use the plug with ion chamber hole.

(2) Set up (Acrylic container)

1. Remove the cover of colon unit to put in the contrast agent a little, and cover again.



2. Tilt and rotate the colon unit slowly to coat the contrast agent throughout the inside of colon unit. Open colon unit again to drain the contrast agent.



3. After covering colon unit, attach the holder for colon unit to the screw hole on the center of colon unit cover.



There are the suction disc on the side of holder and screw on the other side.

2 Set up (lower torso phantom)

4. Remove the cover of acrylic container to set up the colon unit attached the holder. Attach the colon unit in the container by suction disc, and fill it with water.



5. After covering container, open the two small caps to discharge the air remained by tilting the container, and fill it with water again.



*Adjust the colon unit position after attaching by suction disc, as the holder is universal arm.





注意

モデル表面に印刷物などが直接触れないようにしてください。
樹脂にインクが吸収されて消えなくなります。



Caution

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