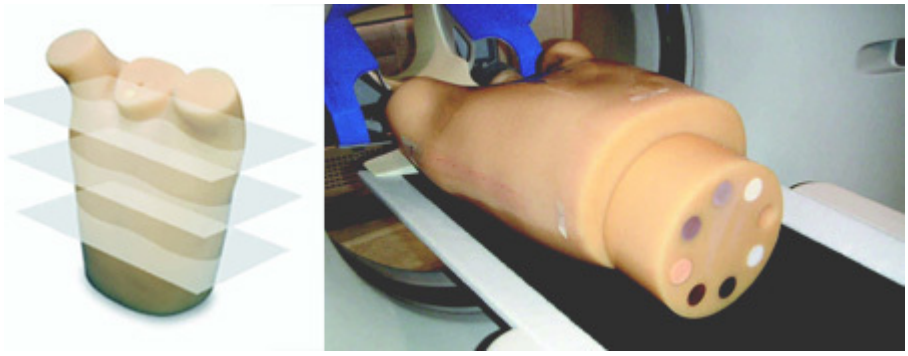
HELAGO-CZ, s.r.o.
Commercial Register maintained by the Regional Court in Hradec Králové
Section C, File 17879
Kladská 1082
500 03 Hradec Králové 3
Company ID: 25 96 39 61, VAT: CZ 25963961
Phone: 495 220 229, 495 220 394
Fax: 495 220 154
GSM gate: 602 123 096
E-mail: info@helago-cz.cz
Web: http://www.helago-cz.cz

PH-8 - Lung Cancer Screening CT Phantom LSCT001

Order code: **4103.PH-8**



Information about product price on demand

Parameters	
Phantoms and simulators	Rentgenové fantomy
Quantitative unit	ks

LSCT001 is a CT phantom developed to facilitate optimizing the radiation dose and other scanning conditions for Lung Cancer Screening CT examination with Helical CT or MDCT, which is aiming at early detection of lung cancers.
As the screening is usually done on healthy people, the necessity of minimizing the exposure while maximizing the image quality is considered to be particularly high.

The phantom is designed to set conditions for detection of small early lung cancers such as GGA, which are difficult to be found by plain X-ray. Anthropologic structure of the phantom provides life-like images allowing operators visual evaluation, while quantitative evaluation on radiation dose and density curve of the image can be done stimulatory with a single scanning.

Set includes:

Phantom includes:

- 1 Chest Phantom: life size torso with arm up position
    - Internal structures: bones, simulated tumors on sections of three lung area (apical portion of the lungs, bifurcation of the trachea, base of lungs), dose meter hole (13 mm dia., on the central axis of the phantom)
- 1 8-step linearity phantom
- 8 steps of 30mm dia. density samples are embedded
- 1 adjustment base

Sizes:

Chest Phantom

- Measurement around the chest 93 cm
- Height 45 cm
- Weight approx.18 kg

Linearity phantom

- Diameter 200 mm
- Height 100 mm