

## CT prostate phantom specifications

### ● Specifications

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This phantom is made of KYOTO KAGAKU original soft tissue substitute and synthetic tissue that have close-to-human radiation absorption rate.

CT images with true-to-life contrast and artifacts can be acquired. The phantom represents internal anatomy of male pelvis, with appropriate HU numbers. \*The spongy bone is not represented.



| ⚠ CAUTION  |   |
|--|---|
| <ul style="list-style-type: none"> <li>● <b>Handle with care</b><br/>The product consists of special compositions of resin. Please handle it with the utmost care at all times.</li> </ul> | <ul style="list-style-type: none"> <li>● Even if color on its surface might change over time, it does not affect the quality of its performance.</li> </ul>                                     |
| <ul style="list-style-type: none"> <li>● <b>Storage</b><br/>Store model at room temperature, away from shock, heat, moisture and direct sunlight.</li> </ul>                               | <ul style="list-style-type: none"> <li>● Don't mark on the product with pen or leave any printed materials in contact with their surface. Ink marks on the models are not removable.</li> </ul> |

- Size            About 350mm in full length
  - Organs        A prostate, a bladder (surface and internal liquid), a seminal vesicle and rectum (inner cavity)
  - Bony structure  
                 L3, L4, and L5 lumbar vertebrae, a pelvis, upper parts of femurs
  - Materials     Soft tissue part polyurethane resin, hydroxyapatite Skeleton epoxys
  - HU Values of organs  
                 Prostate HU50  
                 Seminal vesicles HU25  
                 Bladder surface HU 30, Inside HU10  
                 Rectal surface HU70, Inner cavity HU -800      (urethane foam)
- \* HU values are deduced with calculated value of 80KeV.

