

## QUALITY ASSURANCE FOR RADIOGRAPHY/FLUOROSCOPY

### Allround Image Quality Phantom: FLURO

#### Key features:

- Suitable for QA within digital and analogue Radiography and Fluoroscopy
- Developed in accordance with German Standard DIN 6868-4, 2007
- Structured body for evaluation of 10 image quality parameters:
  - o Direction tube axis
  - o Control of dynamic range: Dynamic step wedge (step 1: 0.00 mm Cu – step 17: 3.48 mm Cu)
  - o 16 detail contrast objects for evaluation of contrast resolution in each step of the Cu step wedge (Ø 4 mm, depth 2.5 mm in PMMA)
  - o Ytterbium dot for kV-testing (thickness: 0.78 mm)
  - o Center mark by a line cross
  - o 8 detail contrast objects for determination of contrast resolution (Ø 10 mm, depth 0.4 – 4 mm)  
Produced contrast at 75 kV and with 25 mm Al-attenuation with reference to step 9:  
0.9%, 1.3%, 1.8%, 2.8%, 4.0%, 5.6%, 8.0%, 9.4%
  - o Unstructured inner area
  - o High contrast resolution test  
0.6 – 5.0 lp/mm (type 38)
  - o Numbering, radiographically visible, for indication of the dynamic steps
  - o Large grid area, radiographically visible,



#### FLURO phantom, facts / delivery scope:

- Image Quality Phantom FLURO
- Weight 3.1 kg – dimensions 300 x 300 x 18.5 mm
- Order number: 10006

#### Required / recommended accessories:

- Stand for FLURO Phantom – Order number: 10008
- Attenuation body PAVO, 300 x 300 x 30 mm PMMA + 1 mm Cu – Order number: 10007  
**resp.**
- 25 mm Aluminum pre-attenuator ALMA - Order number: 10002

#### and, recommended for evaluation of the perpendicular beam:

- Beam alignment test tool BENO – Order number: 10011

#### Relevant standards/regulations:

DIN 6868-4, 2007