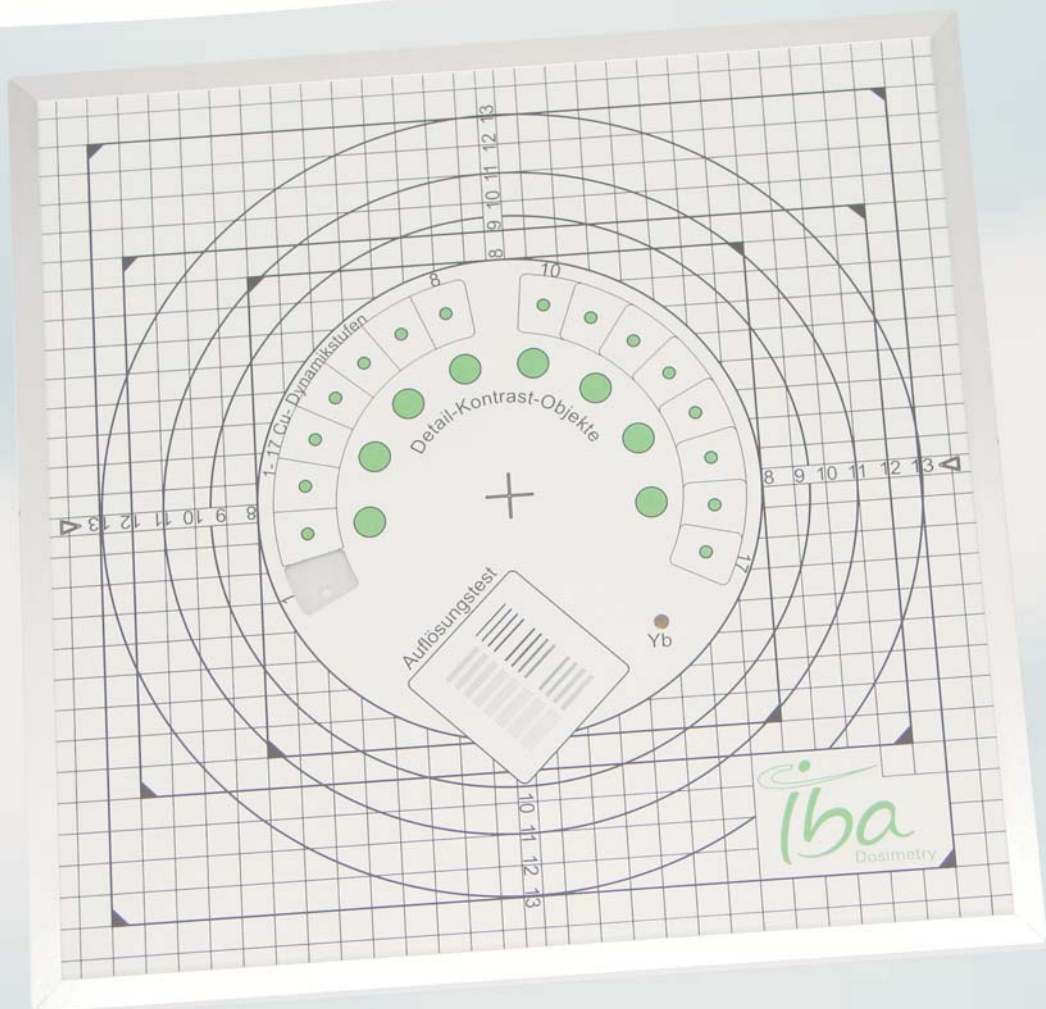


Quality Assurance in Radiodiagnostics  
**Image Quality Test Device Primus  
for Fluoroscopy** |

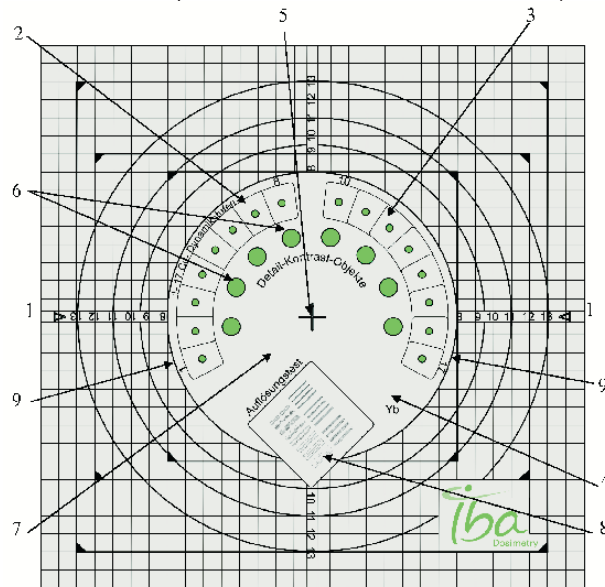


## Image quality test device Primus |

### Our newest test device for ....

... constancy tests at digital/conventional fluoroscopic X-ray units with and without radiographic equipment, e. g. image-intensifier television sets, dynamic flat panels.

Structured body in accordance with DIN 6868-4, 2007.



1. Direction of the tube axis
2. Dynamic step wedge (Step 1 : 0.00 mm Cu; Step 17 : 3.48 mm Cu)
3. 16 detail contrast objects with a diameter of 4 mm, depth 2.5 mm in PMMA (for the evaluation of the contrast resolution in each step of the copper step wedge)
4. kV-test area made of Ytterbium, 0.78 mm thick
5. Line cross as center mark
6. 8 detail contrast objects with a diameter of 10 mm, depth 0.4 - 4 mm; for the determination of the contrast resolution at the current work settings.
7. Unstructured inner area
8. Semi circular high resolution test 0.6 - 5.0 lp/mm (Dimension of the deposited plate of copper: 1.1 mm)
9. Radiographically visible numbers for indication of the dynamic steps.

### Parameters and their determination:

- Dose and dose rate
- Dose indicator
- Linepair resolution performance
- Contrast resolution
- Limitation of the radiation field
- Artefacts

### VD0203510 Primus S

200 x 200 mm, incl. PMMA-plate

### VD0203520 Primus L

300 x 300 mm, incl. Raster, 25 mm Al-pre-attenuator necessary