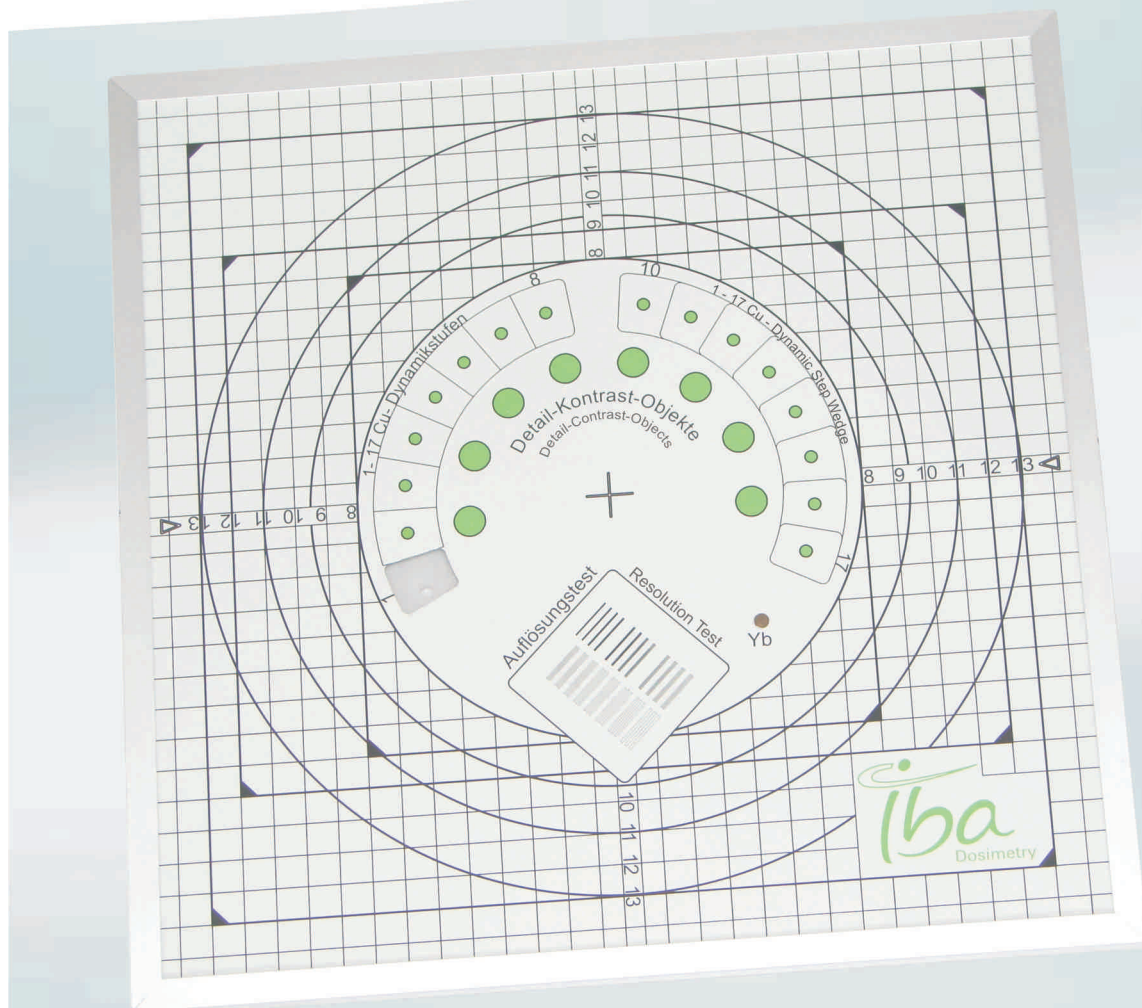


Quality Assurance in Radiodiagnostics “All-in-One” Image Quality Test Device Primus |



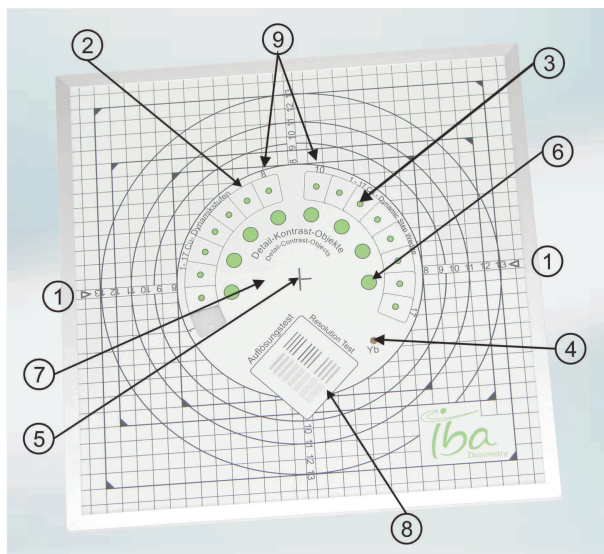
for digital + conventional Radiography and Fluoroscopy

Image quality test device Primus |

Our newest “All-in-One” test device for

... QA - tests at digital + conventional radiographic and fluoroscopic X-ray units

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. 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:

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

VD0203510 Test device Primus S
 200 x 200 mm, incl. 30 mm PMMA-plate

VD0203520 Test device Primus L
 300 x 300 mm
 25 mm Al-pre-attenuator (VD050320) or PMMA-attenuation body (VD0203521) necessary