



KONICA MINOLTA

C PLATE

for Mammography

INTRODUCING THE NEW REGIUS C-PLATE

Crystal column technology
for crystal clear image quality.



The essentials of imaging

The new Regius C-Plate is the world's first phosphor needle plate system created especially for mammography.

It offers three main improvements over less advanced technology:

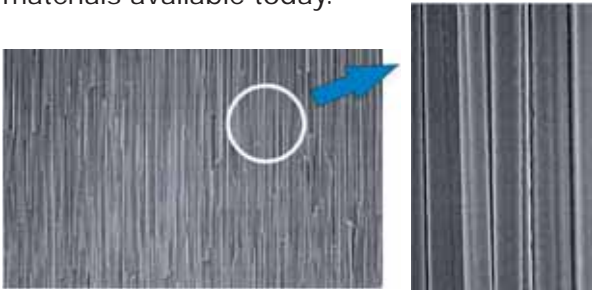
- substantially improved image quality
- much greater visibility of breast lesions
- superior DQE

Crystal Technology.

How it works.

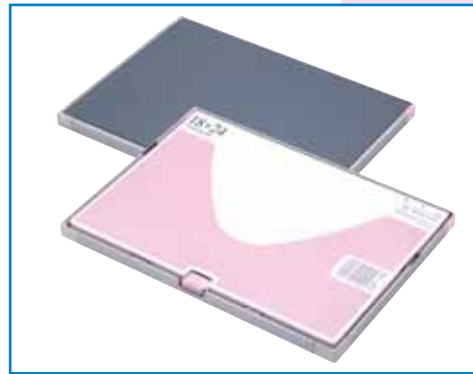
Konica Minolta's innovative column crystal technology is a great leap forward in CR plate design.

Granularity of x-ray images is aggravated by quantum noise in the x-ray. To minimise this effect, we use Caesium Bromide (CsBr) phosphor. With its high absorption coefficient over a comparatively wide x-ray energy area, it is one of the most absorbent materials available today.



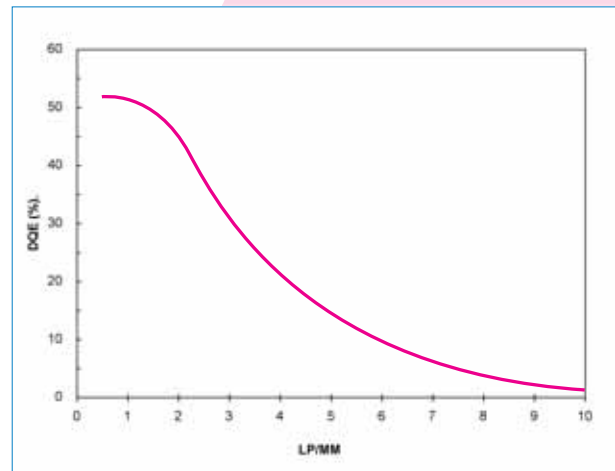
The phosphor crystals are formed in columns within the C-Plate, giving a light-guiding effect which reduces scattering of the reading laser beam, as well as enabling photo-stimulated luminescence to be effectively introduced into the photo-receiver. This feature of the technology greatly enhances the image quality of the CR plate.

With minimal deterioration of phosphor from the x-ray beam, the C-Plate's image quality remains high for a long time. Superior DQE performance also significantly improves the visibility of breast lesions, while reducing x-ray exposure.



C-Plate - CP1M200 key features

- Superb sharpness, granularity and stability
- Improved contrast at tumour peripheries
- Reduced x-ray dose
- Longer lasting fluorescent substance for longer lasting high image quality
- Crystal Technology improves light-guiding efficiency through reduced scattering of reading laser beam



KONICA MINOLTA

KONICA MINOLTA MEDICAL & GRAPHIC IMAGING EUROPE B.V.
Frankfurtstraat 40, 1175 RH Lijnden, The Netherlands