The CR MM3.0 Extremities cassette is a dedicated cassette for use with the new generation of 50µ digitizers. It provides high definition images of very small details necessary for extremities applications.

High Definition for the Smallest Details

Extremities applications such as rheumatologic examinations require the detection of very small details. Now, Agfa provides a solution to create high definition images in CR extremity applications. Together with the new generation of 50µ digitizers CR 35-X, CR 85-X, CR 25.0 and CR 75.0, this combination is extremely successful for specialized applications such as rheumatologic examinations of hands and feet. The images are more detailed, offering an improved sharpness.

Superior image quality

The CR MM3.0 plate’s increased sharpness make this imaging plate especially suitable for dedicated extremities applications. It has an excellent homogeneity and a short response time: the previous pixel is fully faded before the next one is stimulated. As a result, the image has a higher level of sharpness at all spatial frequencies. The Agfa-patented, blue, anti-halo layer forms a perfect barrier against laser light, while letting through the stimulated light.

Improved DQE, more sharpness

The composition of the phosphor layer improves the DQE. The ability to view small details has raised by improving the Modulation Transfer Function (MTF). Agfa’s electron-beam-cured (EBC) top-coating technology provides a smoother plate surface, giving better signal-to-noise ratios.
Durability and Resistance
The EBC topcoat also protects the CR MM3.0 imaging plates. This Agfa-proprietary technology hardens a pre-polymer lacquer coat into a high-density polymer shield that protects the phosphor layer. The plates are thus highly resistant to mechanical wear.
A new adhesion layer further improves the plate’s stability and superior durability, especially when Prosat wipers are used for plate cleaning.

Easy recognition with a distinctive, colored label
The look of the CR MM3.0 Extremities cassettes is similar to that of standard Agfa CR cassettes, except for the labeling. CR MM3.0 Extremities cassettes have green labels and green dots on their sides, allowing the user to easily recognize these cassettes.

technical SPECIFICATIONS

CASSETTE MATERIAL
- Body: ABS (Acrylonitril butadiene styrene)
- Corners: PUR (Polyurethane rubber)
- Hinges: PP (Polypropylene)
- Inner lining: felt

SIZES
- 18 x 24 cm
- 24 x 30 cm

IDENTIFICATION
- Embedded memory chip
- Contactless RF identification

WEIGHT
- 18 x 24 cm  500 g
- 24 x 30 cm  818 g

BACKSCATTER PROTECTION
- 150µ lead

MINIMUM REQUIREMENTS
- CR MM3.0 plate
- CR 35-X, CR 85-X, CR 25.0 or CR 75.0 Digitizers (50µm spatial resolution)
- CR Quality System (QS) version 3.0 or later, NX

STANDARDS
- ISO 4090 2001
- DIN 6832 part1 nr.2