

CR MM3.0

EXTREMITIES CASSETTE

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

- Works with the high definition CR MM3.0 plates and CR 35-X, CR 85-X, CR 25.0 and CR 75.0
- Offers increased sharpness for superior image quality
- Agfa-patented technologies ensure light control, a smoother surface and superior durability

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 50 μ 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.

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.

Durability and Resistance

The EBC top-coat 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.

Technical Specifications

GENERAL

Cassette material

- **Body:** ABS (Acrylonitril butadiene styrene)
- **Corners:** PUR (Polyurethane rubber)
- **Shutter:** PP (Polypropylene)
- **Inner lining:** felt

Sizes & weight

- **18 x 24 cm:** 500 g
- **24 x 30 cm:** 818 g

Identification

- **Embedded memory chip**
- **Contactless RF identification**

Backscatter protection

- **150 μ lead**

Configuration requirements

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

SAFETY

Standard

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

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