



KONICA MINOLTA

# MEDICAL DRY IMAGING FILM **SD-QM**

D · R · Y · L · A · S · E · R



The essentials of imaging

# MEDICAL IMAGING FILM SD-QM

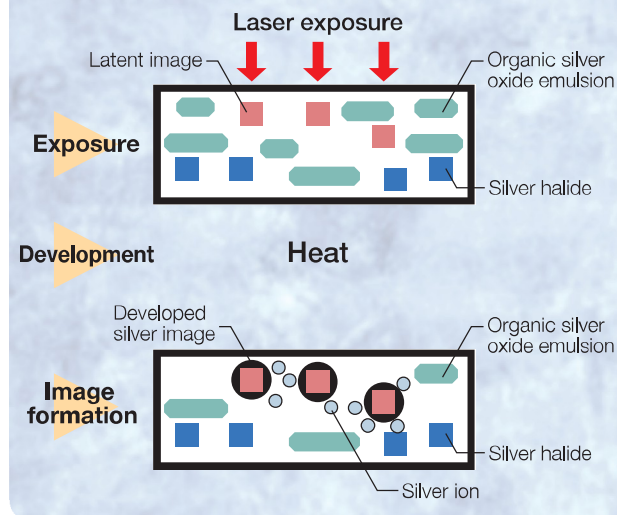
## Thermally processed dry film that delivers optimum image quality for mammography.

SD-QM are dry films designed especially for the Laser Imager DRYPRO873. This new film is thermally processed and does not require wet processing chemistry.

- Sharp, clear images are assured by optimized control of image tones for mammography.
- Designed for linear gradations from low-through high-density areas, SD-QM delivers excellent diagnostic clarity in processed image.
- Daylight packaging makes the film easy to handle. (Film is available in the following sized, 10×12 inch, 8×10 inch, 125 sheets per box.

### Dry film image formation

- 1) A latent image is recorded in the silver halide of the film by laser exposure.
- 2) During thermal development, silver ions are supplied to the latent image from organic silver oxide emulsions, causing the developed silver image to appear.



### Storing and Handling Dry Film

Dry image recording film SD-QM does not require a WET process. When storing and handling film, be sure to observe the following.

#### 1. Storing and handling unused film

- After confirming that film is packaged, store unused film, like ordinary film, in a cool, dark place (recommended temperature: 10-23°C (50-73°F)) where it will not be affected by radiation. If film is stored in a place where temperature is more than 30°C (86°F) for a long period of time, the quality of the film may change. When storing film in a film storage, it should be stored in a place where temperature is not likely to rise.

#### 2. Storing and handling processed film (image)

- (1) As heat-processed-type film is susceptible to high temperature or strong sunlight even after it's processed, it should be stored in a cool, dark place. When storing film for a long period of time, be sure to place it in a film bag and store it in a place where temperature is 25°C (77°F) or below. The rise in density or discoloration may occur more frequently as the temperature rises.
- (2) If the film is stored at a temperature of 40°C (104°F) or higher, this may cause density changes or discoloration even over a short period of storage. Avoid leaving the film in a car in daytime, or using it with a hot lamp etc.
- (3) As the film is susceptible to strong sunlight as well as temperature, avoid exposing it to direct sunlight, or leaving it on a viewing screen for a long time. Dry film should not be cleaned with alcohol or cleaning agents that may cause density blotching and other defects. The film is resistant to water, so it may be cleaned with a soft cloth dampened with water.

Konica Minolta medical film is manufactured with a quality control system that has been certified to be in compliance with the ISO 9001:2000, and JIS Q9901 quality control standards, as well as with the medical device directive MDD93/42/EEC.



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