

KONICA MINOLTA

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

D · R · Y - L · A · S · E · R



Giving Shape to Ideas

# MEDICAL IMAGING FILM SD-S

*Thermally processed dry film that delivers optimum image quality for all image modalities.*

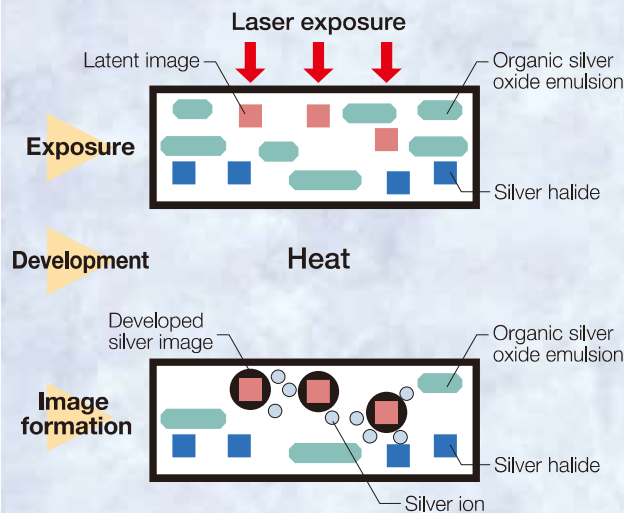
SD-S is specially designed for the Laser Imager DRYPRO SIGMA.



SD-S Film Cartridge

## 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.



- Sharp, clear images are assured by optimized control of image tones for CT, MRI, CR and other image modalities. Special new anti-halation technology increases image sharpness.
- Designed for liner gradations from low- through high-density areas, SD-S delivers excellent diagnostic clarity in the processed image.
- Daylight packaging makes the film easy to handle. (Film is available in the following sizes, 14×17 inch, 11×14 inch, 10×12 inch, 8×10 inch, 125 sheets per box.

## Storage and handling conditions for SD-S dry film

Medical Imaging Film SD-S is a dry film requiring no wet processing. As explained below, it should be stored and handled with care.

### 1. Storage and handling unexposed film

- As with other type of film, unexposed dry film should be stored in a cool dry and dark place (24°C or below) in the original packaging and protected from all types of radiation.

### 2. Storage and handling of processed film

- Thermally processed film may be affected by high temperatures and strong light, even after processing. To protect images on the film, the film should be stored in a cool, dry and dark place. For long term storage, film can be inserted into the original packaging or other protective envelopes and stored at 24°C or below. Storage at high temperatures may result in increased density and discoloration.
- Density variations and discoloration may result if the film is stored at temperatures of 40°C or above. The film should not be left in a closed car in hot day light conditions, and should not be viewed with overhead slide projectors and other heat-emitting devices.
- Since film may be affected by direct light as well as high temperatures, the film should not be exposed to direct sunlight or left mounted on the viewing box for extended periods of 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.

### ■ FILM Size

14"×17" (35×43cm), 11"×14" (28×35cm), 10"×12" (25×30cm) and 8"×10" (20×25cm)

Konica Minolta medical film is manufactured with a quality control system that has been certified to be in compliance with the ISO 13485 and the medical device directive MDD93/42/EEC



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