KONICA MINOLTA

DRYPRO 800 SERIES

MEDICAL DRY IMAGING FILM

SD-Q

D · R · Y - L · A · S · E · R

The essentials of imaging

MEDICAL IMAGING FILM SD-Q

DRYPRO 800 SERIES

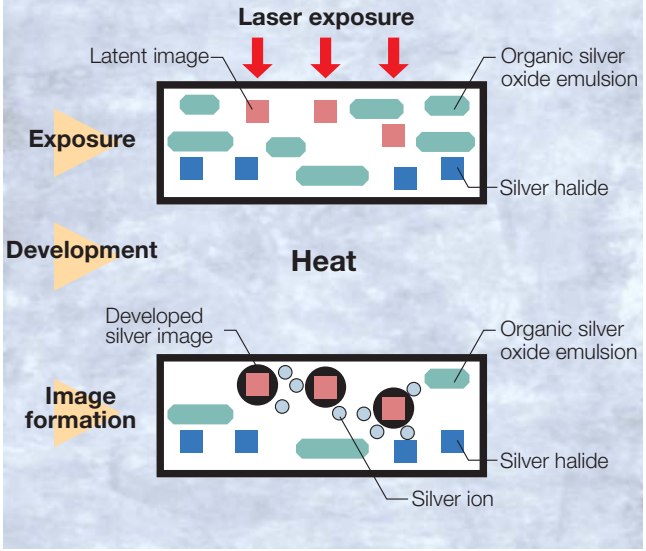
Thermally processed dry film that delivers optimum image quality for all image modalities.

SD-Q are dry films designed especially for 800 series Dry Laser Imagers. 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 CT, MRI and other image modalities. Special new anti-halation technology increases image sharpness.
- Designed for linear gradations from low- through high-density areas. SD-Q delivers excellent diagnostic clarity in the processed image.
- The SD-Q film is available in a blue base only and is for use with all applications.
- Daylight packaging makes the film easy to handle. SD-Q Film is available in the following sizes 14 x 17, 11 x 14, 10 x 12 and 8 x 10, 125 sheets per box/4 boxes per case.

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.



Storage and handling conditions for SD-Q dry film

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

1. Storage and handling of unexposed film

- As with other types of film, unexposed dry film should be stored in a cool, dry and dark place 77°F (25°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 77°F (25°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 104°F (40°C) or above. The film should not be left in a closed car in hot daylight 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 cleared with alcohol or clearing 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.
- Immediately after development, there are very slight (0.02) variations in density, however with normal handling, the film stabilizes when viewed in room light or on a viewing box.

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 MDD 3/42/EEC.

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