

# Colenta<sup>®</sup> MEDIPHOT DL

## DRY LASER IMAGING FILM

Colenta Medical Dry Laser Imaging Film, **Mediphot DL**, is specially designed for use with COLENTA MEDICAL DRY LASER PRINTER HIGHCAP SERIES. **Mediphot DL** is employed in recording the images from Computed Radiography (CR), Computed Tomography (CT), Magnetic Resonance Imaging (MRI), Digital Subtraction Angiography (DSA), and other medical imaging modalities.

### PHOTOGRAPHIC AND PHYSICAL CHARACTERISTICS

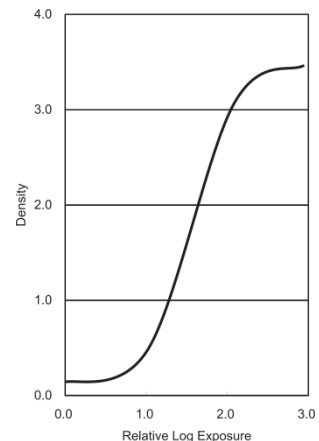
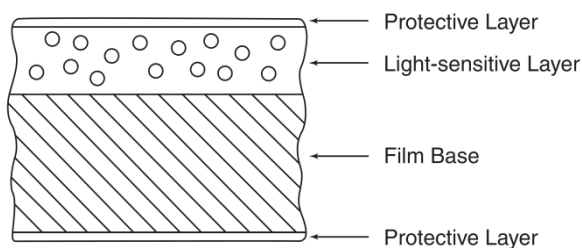
#### Sensitivity and Contrast

Sensitivity and contrast of the **Mediphot DL** are suitably designed for a dry laser imaging system with the COLENTA MEDICAL DRY LASER PRINTER HIGHCAP SERIES.

#### Maximum density

Maximum density can be selected up to 3.6 when used with the COLENTA MEDICAL DRY LASER PRINTER HIGHCAP SERIES.

#### Film structure



#### Film package

The **Mediphot DL** film is specially packaged for daylight loading. Instructions for loading are included in the film drawers and the operation manual of the COLENTA MEDICAL DRY LASER PRINTER HIGHCAP SERIES.

### AVAILABLE SIZE AND QUANTITY

| Film Size | Quantity/Package                |
|-----------|---------------------------------|
| 35 × 43   | 100 sheets + 1 protective sheet |
| 26 × 36   | 150 sheets + 1 protective sheet |
| 25 × 30   | 150 sheets + 1 protective sheet |
| 20 × 25   | 150 sheets + 1 protective sheet |

## HANDLING AND STORAGE PRECAUTIONS

### 1. Handling and storing an unopened film pack

- a. The **Mediphot DL** film is used exclusively for the COLENTA MEDICAL DRY LASER PRINTER HIGHCAP SERIES, and cannot be used in other devices or systems.
- b. Be sure to store an unopened film pack in a cool place protected against radiations and X-rays.

### 2. Handling and storing an opened film pack

- a. Be sure to store an opened film pack in a cool, dry and dark place protected against radiations and X-rays the same as with the conventional wet film.  
Storage temperature: 10 to 25°C (50 to 77°F)  
Relative humidity: 30 to 60% RH  
As soon as a film box is opened, the recommended temperature condition is 10°C - 23°C. Same applies for exposed and processed films.
- b. Air-conditioning may be necessary if the COLENTA MEDICAL DRY LASER PRINTER HIGHCAP SERIES is installed where temperatures and humidity exceed the above conditions.
- c. Do not take unused film out of the film tray once it has been loaded in the COLENTA MEDICAL DRY LASER PRINTER HIGHCAP SERIES, nor add film to the film tray before using the remaining film. This will result in malfunction or failure of the imagers.
- d. Unused film should be handled with the film cardboard. Do not touch unused film with bare hands. This may cause artefacts appearing on the recorded image.
- e. The film pack contains a protective sheet on the bottom. This protective sheet will remain in the film pack even after all film has been used. It cannot be used for image recording. Discard it together with the film cardboard remaining in the film tray.

### 3. Handling and storing recorded film

- a. Do not touch the emulsion side of recorded film with bare hands. It may result in finger print marks on the film.
- b. Contact with water, alcohol, developer, or salt may result in artefacts appearing on the surface of the film, especially under high humidity conditions.
- c. Do not store recorded film with the emulsion surface in contact with other film's emulsion side.
- d. Store recorded film in a cool, dry, and dark place. After being stored in higher temperature and humidity than conditions described in item 2.a., optical density of recorded images may change. Long-term storage at high temperature, high humidity, and/or daylight conditions, such as in a car or in room during summer, may cause discoloration.

## SYMBOLS AND ABBREVIATIONS



Batch code



Expiry (Use by)



Non Interleaved Film



Store film at 10 to 25°C, at 30 to 60% RH



Store film properly shielded from X-rays, gamma rays or other penetrating radiations and the direct sun.



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