

DRYVIEW Laser Imaging Films

Infrared sensitive photothermographic films:

DRYVIEW DVB

DRYVIEW DVB+

DRYVIEW DVB+ Premium

DRYVIEW DVC

1) Description

DRYVIEW Laser Imaging Films are high resolution, photothermographic, gray-scale films suitable for continuous-tone medical imaging. These films provide excellent diagnostic visualization of fine detail, sharp image rendition, and a cool image tone. DRYVIEW Laser Imaging Films are infrared sensitive films that are used in CARESTREAM DRYVIEW Laser Imaging Systems.

DRYVIEW Laser Imaging Film is designed to record a full range of images from various modalities including computed tomography, digital subtraction angiography, magnetic resonance imaging, nuclear medicine, ultrasound, computed radiography, digital radiography, and digitized film images.

The DRYVIEW films listed above are intended for use as general purpose diagnostic films.

DRYVIEW DVB, DVB+, and DVB+ Premium Laser Imaging Films are coated on blue, 7-mil polyester base supports.

DRYVIEW DVC Laser Imaging Film is coated on a clear, 7-mil polyester base support.

2) Safelight

CARESTREAM DRYVIEW Laser Imaging Systems are designed for daylight use. Should it be necessary to open a box or cartridge of DRYVIEW Laser Imaging Film outside of the Laser Imager, use a green safelight, ~550nm transmittance (7B type) with a frosted 7-1/2 watt bulb, located at least 1.2 m (4 feet) from the film. Light from luminous watches, cell phones and darkroom light leaks should be avoided.

3) Storage and Handling

Handling -

Hands must be clean, dry and free of lotions, etc. Film should be handled carefully by the edges to avoid physical strains such as pressure, creasing, or buckling.

Storage -

Store unexposed DRYVIEW Laser Imaging Film at 4° to 24° C (39° to 75° F), at 30 to 50 % RH, and properly shielded from x-rays, gamma rays, or other penetrating radiation. Processed film should be stored at 16 to 27° C (60 to 80° F), at 30 to 50 % RH.

4) Sensitometric Performance

Sensitometric Parameters

Maximum Printed Density (Dmax):	Maximum density of processed film when printed in appropriate DRYVIEW Laser Imager.
Contrast:	Measured as slope of the D-logE curve between densities of 0.60 and 2.00 above gross fog.
Minimum Printed Density (Dmin):	Minimum density of processed film in non-image areas when printed in appropriate DRYVIEW Laser Imager.

Sensitometric Characteristics

General Radiography Films

Characteristic	DRYVIEW Laser Imager	DVC	DVB	DVB+	DVB+P
Maximum Printed Density (Dmax):	5700	2.90 ± 0.10	3.00 ± 0.10	3.00 ± 0.10	3.00 ± 0.10
	8700, 8500, 8100, 8200, 8150, 5800	3.00 ± 0.10	3.10 ± 0.10	3.10 ± 0.10	3.10 ± 0.10
	8300	3.00 ± 0.10	3.00 ± 0.10	3.00 ± 0.10	3.00 ± 0.10
	8900, 6800, 6850	3.20 ± 0.10	3.30 ± 0.10	3.30 ± 0.10	3.30 ± 0.10
	5850, 5950	3.00 ± 0.10	3.10 ± 0.10	3.10 ± 0.10	3.10 ± 0.10
Minimum Printed Density (Dmin):	8700, 8500, 8100, 8200, 8300, 5800, 5700	≤0.17	≤0.25	≤0.28	≤0.28
	8150	≤0.19	≤0.27	≤0.29	≤0.29
	8900, 8600, 8610, 6800, 6850, 5850, 5950	≤0.17	≤0.25	≤0.28	≤0.28

Notice: While the data presented are typical of production coatings, they do not represent standards which must be met by Carestream Health, Inc. Varying storage, exposure, and processing conditions will affect results. The company reserves the right to change and improve the product characteristics at any time.

5) Automated Processing

DRYVIEW Laser Imaging Films are processed automatically by the thermal processor drum built into all CARESTREAM DRYVIEW Laser Imagers. The nominal processing conditions for these photothermographic films are 122°C for 15 seconds.

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Carestream Health Inc. - Rochester, NY 14608

End of Data Sheet
