

# RADIOMAT™ G-PLUS Medical X-Ray Film

**Universal film with high contrast in low densities to provide sharp and detailed images**

- ★ Green-sensitive universal film with a high contrast, low fog and noise level, enabling quick reading of information

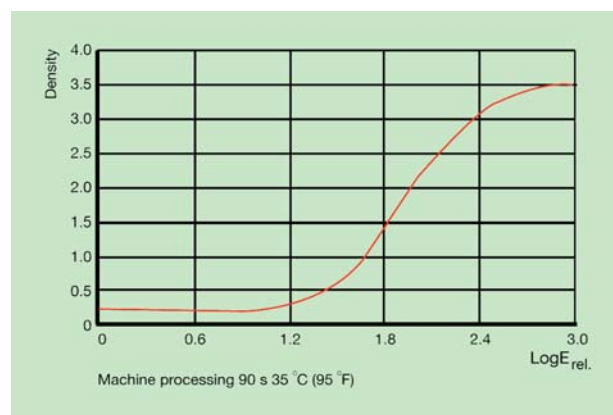
## Green-sensitive universal X-ray film

Radiomat G-Plus is a general X-ray film designed for use with green emitting intensifying screens. The system speed of this film has been adapted for specific applications, according to the international guidelines. The toe of the sensitometric curve has a form which provides a high contrast in the low densities of the image. This permits the use of Radiomat G-Plus film in applications such as angiography, where it gives sharp and detailed images of even the smallest blood vessels as well as of bone structures.

## Multitude of applications

Even small differences in absorption between soft tissue and air become visible by the varying density levels, thanks to the high contrast which is also enhanced by the form of the shoulder of the sensitometric curve. The typical form of the sensitometric curve makes Radiomat G-Plus film ideal for the imaging of bone structures, allowing even the detection of hairline fractures. The film is also suitable for orthopedics where it will give the fine details of bone structures, yet keeping the soft tissue visible. The film also offers good contrast in the main lung area, with good detail being obtained in the middle density areas. Summarizing, the Radiomat G-Plus film can be considered as a universal film, allowing the user to read necessary information quickly, thanks to its high contrast, its low fog and low noise level.

## Sensitometric Curve



**Please note:** Box and labels may vary in colors & designs.  
Film specifications may change without notice. Revised 04 2010

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## Technical Data

### State-of-the-Art Films for Traditional Radiology

- ★ Radiomat G-Plus provides sharp detail and yields consistent performance in a wide variety of processing conditions. The films are compatible with your existing generating equipment, (cassettes and intensifying screens) with little or no technique change.
- ★ All of the Radiomat films are coated on a blue-tinted polyester base and exhibit excellent handling characteristics, long shelf life, with low fog.

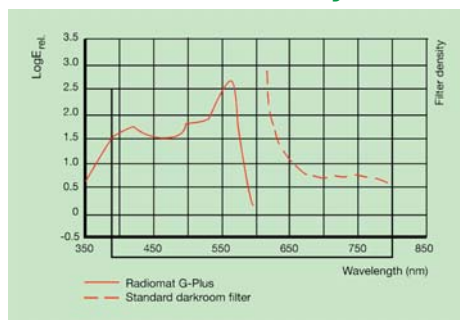
### Safelight Requirements

The use of a GBX-2 (or equivalent) safelight filter is recommended. The filter should be utilized in conjunction with a 15 watt frosted bulb and positioned at least four feet from the unloading/loading area, and processor feed-tray.

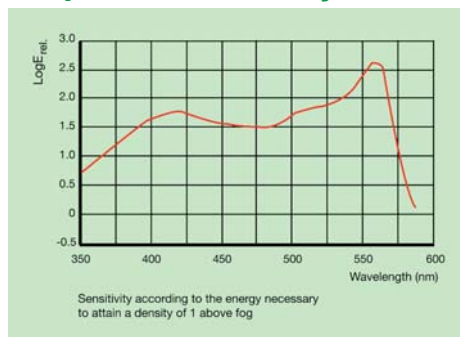
### Storage

Unopened, unexposed film should be stored at temperatures at or below 70 °F in a dry location, preferably between 30% and 50% relative humidity. Film should be protected from sources of ionizing radiation including x-ray scatter.

### Darkroom Sensitivity Curve



### Spectral Sensitivity Curve



### Processing

RADIOMAT™ Medical X-Ray Films are designed to be processed in automatic processors using "High Throughput", standard, or extended cycles. When used in the standard 90 second cycle, a temperature of 95 ° F is recommended. The films can also be processed manually. These robust films perform well in all quality developers and fixers.

### Handling

Films should be handled by the edges; avoiding creasing, buckling and physical pressure. Avoid using hand lotions prior to handling films.

### Packaging

Available in all customary sizes in 100 sheet reclosable boxes.

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